

cttctcttct tcttcttctt ctacccttca atattaatat tccgagcaaa aaccaccaac 60
 aacaacatca ccaccaacaa gaagaacaag attggcggtta tgggtctctt cctttctagg 120
 aatttggtt gcaaattcat ataccctttt cttttctcca agaaggtttc caaggatttg 180
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<223> Clone ID: 701039644H1

<400> 46384

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 tccccaatgg acaccacctt tgccaacata tccaccacca acgtcttatt tttcatcaac 180
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 ggttgggtgt 249

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039645H1

<400> 46385

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 gttctaattg ctgcttggtg cagactgtga ttgtttgtta actgaacttt tcgagcaaaa 180
 tgtctggacg tggaaagggg ggcaaggggt tgggaaaggg aggagcgaag cgacaccgta 240
 aggtttgcgc cgat 254

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<213> Glycine max

<223> Clone ID: 701039646H1

<400> 46386

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ccgcatctgg tatggcagtc catgatg 147

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<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701039648H1

<400> 46387

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ccacaccctc tgtgtgaggt gtggccgcgc cagcttcac ctccagaaga gtcgttgctc 120
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<210> 46388

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039649H1

<400> 46388

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tattaatccc tcagaagtcc atacccaaga catgcaagcc ttgattgcac aagcctgcat 180
ggacattgaa aaccataact catgcctcac aaacatccac aacgagctca ccaaaatagg 240
ccctcctagt tccagttcag tggttagt 268

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<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039650H1

<400> 46389

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<210> 46390

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039651H1

<400> 46390

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 gatcataggt ttgggtctgct tcgcgggact aatggctggc ctcactctcg gactcatgtc 120
 attgggactc gtcgagctcg aagttct 147

<210> 46391

<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 701039652H1

<400> 46391

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 ctgaagtatc ttctgttctg gctcatgggc cttatttgac atttcccttg ggaaggaggg 120
 atagtttaac agcaaataga acccttg 147

<210> 46392

<211> 148

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039653H1

<400> 46392

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09531113.032200

ggacgtgttc cactctccct agatgcacaa ctagatccct ccttttacag agacacttgt 120
cncagggttc actccattgt tcgtgaag 148

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<212> DNA
<213> Glycine max

<223> Clone ID: 701039654H1

<400> 46393

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gttttagatg gagtaattca gctaacagaa agggatgaat gtgcctacca agaaatgatc 120
actcatcttc ctctctgctc tattccaaac cccaaaaagg ttttggttat cgggtggaggt 180
gatggagggg tcatacgaga agtagcacac cattcttcag ttgaaaagat a 231

<210> 46394
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701039657H1

<400> 46394

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cttcctttct aaggggagtc tgaatcccgt gagttttcaa tatgacgtcg ttcttgaagc 120
ctgagaatgc tctgaaaagg gcggaa 146

<210> 46395
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 701039658H1

<400> 46395

gtttgcataa taagaggaat gattgtgttg ttcttaccct tgttgaataa tatatatatc 60
tccccttctc tctgggacaa tattgtaatt ctgacagggt gaagacaact taatgggagt 120
gtgggacggt tctgattaac 140

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<211> 145
<212> DNA
<213> Glycine max

<223> Clone ID: 701039659H1

<400> 46396

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taatctgaag caggtatggt caattcggtc ttcaaatttc actgaggcat cttgcccagt 120
aaaaaatgtg aatgattttc atgac 145

<210> 46397
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701039660H1

<400> 46397

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ttctgatctg cgaaaatgag agagtgcac tcgatccaca ttggtcaggc tggatccag 120
gtcggaaatg cttgctggga gct 143

<210> 46398
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701039661H1

<400> 46398

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agggatgcc ctttgccgca gcagctgcaa ctatacttc agccactgca tcatccctct 120
gccccttctc ctttggggtt caggtgtctc agttcctccg attcaaagct cgggcccttg 180
aattgatcgc taaaggcagg aaatttgata agtacgtccc tgatgaaaat gttcttgaga 240
agggattgta catgt 255

002200 "E" 113 032200

<210> 46399
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 <212> DNA
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<223> Clone ID: 701039662H1

<400> 46399

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 gaggaagctg gagggccaaa aatccctatg aaatatggaa gaggatgt atctggacct 180
 gaacaatgcc ctgaagaagg gagacttcca gatgctgggc cc 222

<210> 46400
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 <212> DNA
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<223> Clone ID: 701039668H1

<400> 46400

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 gcaagaggaa gaggggtacaa gtcagataaa tcttttgggc atttcaaggg aacaactcaa 120
 gcctaatagaa gcaatatttg atgttg 146

<210> 46401
 <211> 138
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039669H1

<400> 46401

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 gcggcgggcgc catcgagg 138

<210> 46402
 <211> 144
 <212> DNA

<213> Glycine max

<223> Clone ID: 701039673H1

<400> 46402

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ccggaccacc tcttcaacct ccgcaacaac ttctacctcg gcgcttacca agccgccatc 120
aacagcagcg acgttgccaa cctc 144

<210> 46403

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<212> DNA

<213> Glycine max

<223> Clone ID: 701039674H1

<400> 46403

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tggcggtggc tgcgtccgac gccgacgaca tcctgatccg tcaggtggtg c 111

<210> 46404

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 701039675H1

<400> 46404

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cctcgttgat gaatcaatac gtgcacaaga agtttagtca gcaatataag gctaccattg 120
gggctgattc tgtcaccaaa gagcttcaga ttgatgacag acttgtcact ctacaaatat 180
gggacactgc tgggcaagag agattccaga gtctcggggt tgcattttac agaggtgccg 240
attgctgtg 249

<210> 46405

<211> 215

<212> DNA

<213> Glycine max

<223> Clone ID: 701039676H1

<400> 46405

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gcattctgcag cttgcagatc cacaagaag tataaatggt tgattattat ttagagggt 120
ctatttagtt aaaattaaat agttattgtg cttttgtttt attagacagt tgtaaggcac 180
tgtgttctac atgtgtttgc agttgtctgc atgca 215

<210> 46406

<211> 153

<212> DNA

<213> Glycine max

<223> Clone ID: 701039677H1

<400> 46406

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aggtgggtgga attattgctc aaatcataac ttatcctctt caaacggtaa acacgcgcca 120
gcaaactgag agaacactca agaggaacaa gca 153

<210> 46407

<211> 222

<212> DNA

<213> Glycine max

<223> Clone ID: 701039678H1

<400> 46407

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attgatgcat agttcaattt cacaatctga tatttttatc actgattacc ttgtacccca 120
tgaagttcca tttcaatttc aatttcaaga tatgagcaag aatgacaaca acatgccaat 180
gaaccatacc gataataacc ttcaaagccc tcaaatcaca tc 222

<210> 46408

<211> 150

<212> DNA

<213> Glycine max

<223> Clone ID: 701039641H1

<400> 46408

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 atagtgtatg caatggtgag ctttgaatgg aaagtggaga agttcttttg gttcttcttt 120
 gtcagcttct tctctttctt gtacttcaca 150

<210> 46409
 <211> 240
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039679H1
 <400> 46409

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 tttgatcatt ccaatcttca atttttctat atatccatca atccgctgag tgcaaagttc 120
 taatctttcg cctattgggt tctactctt tctctcttcg ttccgatcg atccaatttt 180
 cttcccatgg ctacgatcgg acacaacaat ctcaatgcca aattggttct tctcggggac 240

<210> 46410
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039680H1
 <400> 46410

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 caaagtgagc tgccaacagg aaaaccagca cgctctgttt gggcagaaag tttctgactt 120
 gttcaaaggg catcaacata atga 144

<210> 46411
 <211> 111
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039681H1
 <400> 46411

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 tttgttggtt tttcagatgt tacagcggcc aaggcattgg aagagaagct g 111

<210> 46412
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039682H1

<400> 46412

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 tggcgaacga aacgctgtcg ttgcggcact cgcggcgttg gtgctactcg cggcgagtgt 120
 ggcggtggat gctcaggaga actcggacgt caagacgctg gtgaagtaca agcacgggaa 180
 gaagtactgc gacaaaggat gggaatgtaa gggctgggtca atttactggt gtaacctcac 240
 cattaccgat tatttccaga 260

<210> 46413
 <211> 144
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039683H1

<400> 46413

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 ttacattacc ctgaaccagt attgttcggt cctttttggt tttactcctg tgtgatatag 120
 ttctccatta ttcaaactgt gaag 144

<210> 46414
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 <213> Glycine max

<223> Clone ID: 701039685H1

<400> 46414

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 gtgccttatc aaaaggggtac ctgccctata gatgcactta agttgggtgt gtgtgccaat 120
 gtgttgaact tgggtcaatgt taaa 144

<210> 46415

<211> 127
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039602H1

<400> 46415

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 gcagcagcga gatctataag atcattgaag cgaaaaaata aaagctgtta tgcaaatgaa 120
 tctaaag 127

<210> 46416
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039603H1

<400> 46416

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 ttcttccagc ctgggcccac tcaggccgac aagcttgtgg aggacgctac ttccgaggcc 120
 ctggacgagc ccgaatgggc cctcaatctc gatctctgcg acctcgtcaa caccgacaag 180
 ctcaactgcg tcgaactcgt ccgcggaatc aagaagcgga tcatttctcaa gagccctagg 240
 gttcagtacc tcgcccttg 259

<210> 46417
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039604H1

<400> 46417

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 cccctttctg ctcttcttct acctttcaag ttttaaaagt ataaagatgg cagagacatt 120
 cctatttacc tcagagtcgg tgaacgaggg acaccctgac aagctctg 168

<210> 46418
 <211> 156
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<213> Glycine max

<223> Clone ID: 701039606H1

<400> 46418

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aggatgccgt acgacgccgt aatgcggctg ccgagtatcg aaagaaactt ctccagcaca 120

aggaattgga atccagagtc cgatccgtca gggaga 156

<210> 46419

<211> 159

<212> DNA

<213> Glycine max

<223> Clone ID: 701039608H1

<400> 46419

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agcatacata tgttcacgct gatgatggta ctccgttact catcaagaac gcaatctgtg 120

tctttgaaca atatggcagc atcatgtggc gtcacaccg 159

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<213> Glycine max

<223> Clone ID: 701039609H1

<400> 46420

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tcatgctttt gctttcaaata acccacggtt ggggagatga tgggcatgcc attgtttgta 120

agatagctca ggctcgcttc agcactgcag ctgca 155

<210> 46421

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<223> Clone ID: 701039610H1

<400> 46421

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 gttttctcaa cagagagaga gagagagaat ctttcgaagt tcgtttgcgt gtgttggtgtg 120
 gtcagtcacc gatggcagca ccacctgcga gggca 155

<210> 46422
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039611H1

<400> 46422

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 agcgggctaaa ccctaaatca gaactttggt gtgggtgtgtt gacttaattg agtgtagaaa 180
 tagaataatg gtgaaagcat atacacagga acacgtctac aagcaccctt gggaacgtgt 240
 aacttgtgca tcttggcg 258

<210> 46423
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039612H1

<400> 46423

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 tgcgtccac accaagtgc aaacaaaaag cacttcgcca cctcccaaac cctccaagcc 180
 caaagcctcg tcttccctta atgggcaacc ttaacctcta aaa 223

<210> 46424
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039613H1

<400> 46424

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 atgggcgtcgt tcgatcagggc acctcccggc gatgtcaaatt ccggtgacaa aatcttcagg 120
 accaagtgcg ctcaagtcca caccgtcgaa aaaggtgccg gtcacaagca aggaccaat 180
 ctgaatgggt tggttggaag gcaatctggc acaactcccg gatattccta ctcttcagct 240
 aacaaga 247

<210> 46425
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039615H1

<400> 46425

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 ccaccgtcac cgtttccatc aagtcattt cggaggatct gtacaaggaa gtgaagctaa 120
 agaatgtggt ggagaagttc aagaaagcct cggacatcga ccgcttccgc aaaaaaacg 180
 gcatctacga agacaccgtc cgccgcctcg ccggcgcccg acgcttccgg tggatccgcg 240
 acatcctcga gcaccagaag cagtactccg acatctccaa cgaggg 286

<210> 46426
 <211> 187
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039616H1

<400> 46426

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 ccacaccctc tgtgtgaggt gtggccgccc cagcttccac ctccagaaga gtcgttgctc 120
 tgcgtgcgct taccgctg cgccgaccag gaaatataac tggagcgtga aggccattna 180
 gagaaac 187

<210> 46427
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039617H1

<400> 46427

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gagaaaaatg tggatgtcaa agatgggtgag actgattcct cgttccctaa acctcttggt 120
actgttaaca tcgagccgga gccgaatgtg gtgca 155

<210> 46428

<211> 181

<212> DNA

<213> Glycine max

<223> Clone ID: 701039618H1

<400> 46428

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tgccggcgga ctggcgctga tcccagactt cgccgccacc accattacat ccttcataag 120
gacagggctc cggacatctc caactttttg gctgatgctt ctcccagttc ccccgtcag 180
c 181

<210> 46429

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039619H1

<400> 46429

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acggggctct tctccaccga gtagcgacca gattaataaa aaacgacggg aaactccgac 120
aaccatactg tccttgacc ccgacatcgt caccaccatc ttcgctttcc tcgacatggt 180
cgatctcgtt cgctgctccc tcgtttgtaa actctggaat gccatcgttg agtcccggtc 240
gctgcgagaa ttctgtgaga ggaagatgca cagtcttttg ctga 284

<210> 46430

<211> 111

<212> DNA

<213> Glycine max

<223> Clone ID: 701039620H1

<400> 46430

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cggcagctgg agctctaggt ttttgaaggt ggctagtgcg gctgccgcta c 111

<210> 46431

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701039621H1

<400> 46431

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ccacccatcc aacagctttt gttcttaaca agacaaagct tcgcgtgtgt ttgggtttct 120
tctcatcctt ccagcttgga aggattgaag tttctgtctt tttctgatct ccgtgtgcgt 180
ggtttggttt tgttggtgaa gatggttgga gctaatagct ttgatctatg gcgaaaggac 240
gcttttttct ctggggcgga aa 262

<210> 46432

<211> 154

<212> DNA

<213> Glycine max

<223> Clone ID: 701039623H1

<400> 46432

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tatagttttg aagagctatg catcaagaaa gaagccattg agggagaaga gaagttttgt 120
gcaaaatcct tgggaacagt aattggtttt gccca 154

<210> 46433

<211> 207

<212> DNA

<213> Glycine max

<223> Clone ID: 701039625H1

<400> 46433

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 catggcgaac tggcggacag gccgagcgt acgaggagat ggtggagttc atggagaagg 120
 tctccgcctc cgccgagagc gaggagctga ccgtggagga gcgtaacctc ctctccgtcg 180
 cctacaagaa cgtgatcggc gctcgcc 207

<210> 46434
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039626H1
 <400> 46434

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 ataaactccc ttcgttgctg aacgcggtta aggttatgat ttatgaatgc gatctaatta 120
 aggcaaatg acaaggagac aagcaagttc c 151

<210> 46435
 <211> 118
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039627H1
 <400> 46435

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 tgccagccag tgtgctaagg agctacgaag aagaaaagaa gttgaagaac aattggca 118

<210> 46436
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039628H1
 <400> 46436

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 atatagggat cttcagactc ataggcacat accatacagg gaaaacaaga accttacagg 120
 cacagcccg tatgcaagtg tcaacacca tcttgaatt gaacaaagca gaagggatga 180

tctggaatct cttgggttatg tgctcatgta cttct

215

<210> 46437
<211> 119
<212> DNA
<213> Glycine max

<223> Clone ID: 701039629H1

<400> 46437

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gctccagcgg aggctgatcc ctgcgaaacc ggatgcttct gctgctgaag atgatgatg 119

<210> 46438
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701039630H1

<400> 46438

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tcctcctcgc cggtctccgc cgccgtaaata aca 153

<210> 46439
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701039601H1

<400> 46439

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agggatgcaa ctttgccgca gcagctgcaa ctatacttcc agccactgca tcatccctct 120

gccccctctc ctttgggggtt caggtgtctc agttcctccg attcaaagct cgggcccttg 180

aattgategc taaaggcagg aaatttgata agtacgtccc tgatgaaaat gtttttgaga 240

agggattgta catgtttgat attggccaga atgatcttgc tggagcatt 289

<210> 46440
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039631H1

<400> 46440

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 gcaagcgcag aagcaggaca cccactttt gtcttagtta gagagagcac cctttctcat 180
 cctgaaaaat ctaaacttat tgagagcttc aagacctcg gagttactct tctttatggg 240
 gatct 245

<210> 46441
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039633H1

<400> 46441

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 tgataagttg attgaggggtg agattcaatg agaagtttaa actgatgagt tgactgaggg 120
 tgagattcaa acttcattcg tgattccgaa gaag 154

<210> 46442
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039635H1

<400> 46442

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 gccctcgcat tgatttctct tcggttttcg ctctggtaa cctatcggt gaccacgttc 120
 gcgaaacacg cgatgctgct gtcaaagaat acacattgag attcgacaaa gctgaattgg 180
 ataacatcgt tgaacttgtc tccgaccttc ctgatccaca actcgatgcg catgttaagg 240
 aagcttttga tgtcgcctac aacaatatat atgcctttca t 281

<210> 46443
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039636H1

<400> 46443

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tgtcccaagc ttgagaggat tataaggacg catcttgagg atgtcttcga gaaggacagt 120
ggagtagctc ctggcatact tcgactcttc t 151

<210> 46444
<211> 151
<212> DNA
<213> Glycine max

<223> Clone ID: 701039637H1

<400> 46444

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attttagaca catcatgggtg aacttggttt tgaggtagcc accatgattt taaaagatat 120
tcaaacatga ttttaaaaga tattcaaaca t 151

<210> 46445
<211> 150
<212> DNA
<213> Glycine max

<223> Clone ID: 701039638H1

<400> 46445

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aaacaaaaca gtaacaccac acagccatga cagacagggt gtacccatcg gccaaagccc 120
ccgcggttaa cggcgccgcc gccaaacctt 150

<210> 46446
<211> 267
<212> DNA
<213> Glycine max

002220-277560

<223> Clone ID: 701039566H1

<400> 46446

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tctcttctgc aacccaattc cagcccccctt ctttcctccc tccatttttg atccattgtt 120
tctcacacgg gcactacctt gggttctgtg cctgattcta cttccacgtg ctggggggaag 180
tgcaaaattht tggtcttttag ctccaactag aagtgggtht tcgctgtggc ttctataatc 240
tcaacatcgc tgctaccata ataggtht 267

<210> 46447

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701039567H1

<400> 46447

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aattctcagt gaaaccaatt cagttcagtc caaatcccaa atccgaagtg agatttgca 120
tggaagaggct tcagcgaatg ttcgcaggtht caggtggagc tctagggcac cctccccag 180
attccccaac tctcgattcc tccgagcagg tctacatctc ctcaactcgt ctctcaaga 240
tgctgaagca cggaagggct ggggttcgca tggaagtgat gggthtga 288

<210> 46448

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701039568H1

<400> 46448

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aatacaaac cagttacatg atttacatcc ttccacagtg agcatggtaa ccacggacac 120
gtgtcacaca tcaaacgtgc ttcaagggtht tggaatttht tccatggcca gtgacttggc 180
ctgtgtgaat cagcagcaac aaatagatgg gtcaatgcgg gthththtatg gattggaaac 240
catggacgtg gcaacaaatg gtagcacaaa cactagtact tcaacag 287

<210> 46449
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039569H1

<400> 46449

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 acgaatacac ncaatctggc catcctccat taagatggct gcagaagact acacttttgg 120
 gccttacaag atacaccaca ctgaagtgtt ctactccacc aatctctctt acgccatggc 180
 taacctgcgt cctcttcttc ctggatcatg gctcatctgt ccaaagcgtg aagttaagcg 240
 ttctggatgat ctactgctg atgagacttc tgatttatgg ctca 284

<210> 46450
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039570H1

<400> 46450

gaaatactct tgtgaccaac caaggtctct tatttctaca cataggagga ggagagaaga 60
 attgtttcta tttcaaagat tcagcaaatt aaggagcaga aaaaagtcac atattttgtt 120
 gttgaattca tcaatatggc taagggaatc agaaaccta gttcgtggat ggaggttgcc 180
 ccggcaccaa taattttccc aacaaagcct tctaattcgc ctgctttgga gaccatcaca 240
 gaagaagttg ctgaggatga tgaagcttcc atg 273

<210> 46451
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039571H1

<400> 46451

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cgcaacaaca tgcctnattt tgtttgtttg ttttatccac cctcactctc actctcactc 120
 tcactcacac acagccacat agggacgaaa cgatacgatc catggcgatg atgatgcaca 180
 ctgcgcaccc tcacctcact aattaacact aatcgttact taaatcagtt aaaacgaggc 240
 atcagaataa gtgcaagtgc cagatctcga tctcgat 277

<210> 46452
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039572H1
 <400> 46452

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 aatcaatgca tcaaccttta gtgcttggtc gaattgtgga gactttgtag tcccataccc 120
 actcagcact aacgaggact gtggagacaa taggtacaaa gtctactgca acgatggaaa 180
 tttagagtgc ttgtcagcaa cagggactta ctataagatc cttagaattg acccaagtgc 240
 taacaagctt gtcattagcc cacctcctat actgcaaaac a 281

<210> 46453
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039573H1
 <400> 46453

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 aaatgaatcc cgagtatgat tatctgttca agctccttct tattggagac tctggtgttg 180
 gtaaatcatg ctttcttctg agatttgctg atgattcgta catcgagagc tacataagca 240
 ccattggagt tgatttttaa atacgtactg ttgagcag 278

<210> 46454
 <211> 276
 <212> DNA
 <213> Glycine max

002280"ETFE560

<223> Clone ID: 701039574H1

<400> 46454

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ggcagttggt gccagcgtct tggtcgtggt ctgggtcgtc aatttcaggg gtggcttggc 120
ttgggattct gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg 180
cttactagtt catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga 240
agtgaagaaa ttgatacccc ttgttttcca tgccac 276

<210> 46455

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039575H1

<400> 46455

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ccatggctgt gaaggataga atcctggtct tgggaccac aggagccatt ggaaggcaca 120
tagtttgggc aagtttaaag gcaggaatc ccacttttat attggttagg gacaccctg 180
cctctgttaa caagccaagg cttgtcactg ctgctaatac tgagaccagg gaagaactca 240
ttcagagctt ccaaaattct ggagttactc 270

<210> 46456

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701039576H1

<400> 46456

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tcccgtgaac catcgagtct ttgaacgcaa gttgcgcccg aagccattag gccgagggca 120
cgctgcctg ggtgtcaca 139

<210> 46457

<211> 142

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039577H1
 <400> 46457

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 cgacatgacc atcgcgcggt caacctgccg gccgcacgt gatggagctc tatgccgacg 120
 tgactcccag caccgccgag aa 142

<210> 46458
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039578H1
 <400> 46458

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 atcataaaag atgtgtcaaa tgcaaatttt aggcacatta tactagagaa caatgagaac 120
 aaacctgtta ctaatagcag agacacacaa gagataatgt atagtaaagg tttggaaatg 180
 cttaaaatat tcaaaaacca tccgttgaag acatctttgc ttgatgactt tatatattat 240
 ga 242

<210> 46459
 <211> 152
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039579H1
 <400> 46459

agaatattga acgaggcagt gagcttcgtt gctttctgcg tgctcgacct tgacgatttt 60
 cttctatgtt ttgttttcaa agctgtggat ttgtgggttg acgcagagtt cagaccctgc 120
 tattgttcct cggcgaaggc accaataacg ag 152

<210> 46460
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039581H1

<400> 46460

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acaggctgct actgctactg ctataagtcg gagctgtggc agcagcagct cctgctcaac 120
tagcaatggg ggtgctactt gtaatagtaa cagtagtagt agtgtgtttg cgagtttggt 180
tgcttcttca acagcatctg tgaccctaca atctcaaaca ccagcattca gtgacttgat 240
tagagccatg gggcctccgg aacaccctgc ggatcaaata tcgggtc 287

<210> 46461

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039582H1

<400> 46461

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aagacccttc aactcttccc aatacaccac cccattttcc ctccaaagcc accactgaac 120
caccaagttt caacgcagag ccatgtcaac aatgtcctga aaggttcgtc ggggtatttg 180
tccgaaatca gcaaagtgat tgatcacgaa gaacagtacc gggtagcccg gtcgcaggtt 240
agccgtaaag ttttggactt ggaaggttat tccatagagg gtct 284

<210> 46462

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701039583H1

<400> 46462

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tttggttaaga gaaggaacaa gactcacact ctctgtgtga ggtgtggccg ccgcagcttc 120
catctccaga agagtcgttg cgccgcttgt gctttccccc ccgcacgcac taggaaatat 180
aactggagcg tcaaggcaat ccgcagaaa accaccggaa ctggcaggat gaggtacttg 240
acgtaacgtg cctcgccgat tcaagagtgg cttcagagaa ggtac 285

<210> 46463
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039584H1

<400> *46463

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 gtgaccaagg gaggtgctaa ttgatctca ccaactccac ttacacgatt cttctcgaaa 120
 tcttcttccc cctatgttgt gaaagttgga attccagagt ttctaaacgg gattgggaag 180
 ggggttgagt ccacggttcc taagcttgaa tccgaaatcg gtgatttcca gcaagttctc 240
 ctcaactcgca gcctcaaact caagaagctt ggc 273

<210> 46464
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039585H1

<400> 46464

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 atgggtctgc ctgctcaaat ccctccagcc ccaccgtatt cgctccgtcg tcgccggcag 180
 cagaaactcc ctgccatcg ctgacgacgg caaattgttc acttgggggtt ggaaccaaag 240
 ggccacactt gggcaccctg ctgagaccaa gtctgagaac 280

<210> 46465
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039587H1

<400> 46465

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 aagtctataa actttctcct acttctgtct ctactagcct ttgtccctt atgtcactgt 120

aaaaagcaaa taggagggtta cctctaccct caattctacg acggttcacg ccccagagct 180
 caagagattg tccaatccat cggtgccaag gcagtggcaa aagaaccccg catggctgct 240
 tcgttgctca gactacattt ccatgattgt tttgt 275

<210> 46466
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039589H1
 <400> 46466

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 cctctcatca aacccaaaaa gaatcttcag attagacgcc tccgagattt cgatctcttc 120
 acggaccaga attttttctc ctgcgctgaa tcaaaggcat tcgttaaaat tgctcaagaa 180
 attggcttta ctcatcaggg gagtctaggt ccaacttatg gcgaagattc agagataatg 240
 atcgaatgtt ggtggatg 258

<210> 46467
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039590H1
 <400> 46467

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 caacttcac acgttcaaaa tcttactgat agaattcatg gaaccgagct gcatcatggg 180
 gaagactggc atcacaatga gtcgggtcaag cactggactt ataccataga tggcaagggt 240
 acaacttgca aggagagta 259

<210> 46468
 <211> 132
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039591H1

<400> 46468

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acagtttgaa gatgggcttc cctgactaca tccaaacatt ggaagacgaa cgccgtaaga 120
ttcaggtggt ct 132

<210> 46469

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701039592H1

<400> 46469

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tggcagttgt tgccagcgtc ttggtcgtgg tctgggtcgt caatttcagg ggtggcttgg 120
cttgggattc tgataacaag tccctcatct tcaacattca tccagttctt attgttattg 180
gcttactagt tcatgggggt gaagctatta taagttacaa agcttttccc ctaa 234

<210> 46470

<211> 118

<212> DNA

<213> Glycine max

<223> Clone ID: 701039596H1

<400> 46470

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agtcaccatc cgaaccagga agtttatgac aaacaggctt ctctccagaa agcagttc 118

<210> 46471

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701039565H1

<400> 46471

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gaacgtgaag gcagaaacca tgtctctgat ggacaagcgc aggcacttgg aggctgagat 120

gaactccatc atcgcccgcc tctcgagcc aggcgctcct ggcctctccg gaaatctcgt 180
 cgattccgag gattctcgcc attccgatat cgacgtcccc gttgttcgag ccgaacgacg 240
 tcgcctggca gagctgcgca gcgaccacaa cgaagtaact g 281

<210> 46472
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039534H1
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 tttatcagga gaagctgaat tttccgggaa aatttgcggt gttttctctt ccttgcgacc 180
 ttcgccgccc gctgctactg attcgtcaac ggcaactcct acgaggtggt ttgcctgatt 240
 tgttgatcct gcggagaagg tgcttggaat agagggaagg gaaaagacag aggga 295

<210> 46473
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039536H1
 <400> 46473

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 tatttcttac attcaagaga aatatgcagg tggcaatgca ccgtcttttg tgaagaataa 120
 taacagcatc tcatcaaagc atcaattaat aaatgatata ttgaagatat gggttccatc 180
 aaatccaaga ggtgcagaaa gattacctcc tgagattatt gaagctgaga cggacttata 240
 tttgcgtaga ttgtggggtc agcccagtga ggatttaaca tcaaagc 287

<210> 46474
 <211> 234
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039538H1

<400> 46474

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 tttgggggaa cctcaaccca atcccagaaa ccgaaatcgg cctcgcaatt taacgaaacc 120
 gaggaagaga aatcgtgggc acccttcaaa attcgagatt tccccgacaa aatgtcccaa 180
 ctgaagccaa tgtcgcatat agacagtgcc ccttcgaccc gaggggaagtt caag 234

<210> 46475

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701039539H1

<400> 46475

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 gtttaagatg gggtccaaaa ctcgctcttt ccttgccttt ttcctcacga tcaacattcc 120
 ctttcttgcc cttgcctctg cctgcgggac atgccctagc cctaagccaa ggcataataa 180
 gcactagcct gttaagccaa gtcgttcagg tggtcagggt gggtcgggtg gctcaagagg 240
 ctctgggtgt tcaggtggct ctggtggttc ggggtggttca ggtgggtcgg 290

<210> 46476

<211> 141

<212> DNA

<213> Glycine max

<223> Clone ID: 701039540H1

<400> 46476

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 aacttaaatt tctgtttaaa agggctcttc aataaacttg tttatgtact cctccggtt 120
 cataatatgt gttgtgtaaa a 141

<210> 46477

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701039541H1

<400> 46477

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 tatcttacta taaggaccag attctaccct tgatacaaaa gtacaaagtt gttcacttaa 180
 atagaactga tgctcgggtg gccataatg gtcaaccgat agagattcag aagctgcgtt 240
 gccgggtcaa ttttagtggg ctgagattta cttcccagat agag 284

<210> 46478

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701039542H1

<400> 46478

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 tgactaagga agatagtaga atccataatt accaaattcc tgatgatgat tgctttgctc 180
 acttgagggt gcagttcaaa ttccatgggt tgtctaacaa agttgaaggg gttcttgga 240
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<210> 46479

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701039544H1

<400> 46479

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 cttcaaggct ggaaaacttt ctggtgagca aaggaaagaa aagatcaata gatacatgaa 120
 gaaaagaaat gaaag 135

<210> 46480

<211> 229

<212> DNA

<213> Glycine max

<223> Clone ID: 701039545H1

<400> 46480

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 ctacgacgcc tcgttcatga aatggaccgt tgcggatgct gtccacgtgg cgacgcatca 180
 ttgggatgcc gtgcttattc gcattagggc ttctcttctt catggccgt 229

<210> 46481

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039546H1

<400> 46481

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 atatgaaagt caatcgcaag atgacttacc cagcagcact agtatacctg attctttgtc 180
 tattgagagg tcttgtactc cacctgcac c aatggaagtt tcacagcaaa agcactacgg 240
 ggaagaaatt taacatcggg gtgtgat 267

<210> 46482

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039547H1

<400> 46482

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 actagattct atgtcgtagg agctggactc ttacagggtg ttccgggtggc actttatccc 180
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 ttttctgttg caaaaggact acttaaaaca gacggcat 278

<210> 46483
 <211> 146
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039548H1

<400> 46483

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 aaatttattg aaaattacaa aatcatgaga gagggacatt aaagatgatg taggaccac 120
 tatcttttat aatttccaag aagaga 146

<210> 46484
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039549H1

<400> 46484

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 tattctgaaa atggaaaaca atcatagtgc agctggaaca caagatagtt ctatgatgaa 180
 gtctgttgat caaagagtac gttcanaagc gcgtaatgac ataatgactc gacgtctgaa 240
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<210> 46485
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039550H1

<400> 46485

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 tgtaaaaagt ttgctgcgcc ctgatttcca tgtttcggca caaaactgtt gggttcgcaa 180
 aggtggtgct tataccggtg aggttagtgc tgaaatgctt gttaatttgg gaattccttg 240

ggttattatt ggtcactctg aacggaggca gcttttaaagt gaacaaatg agt 293

<210> 46486
<211> 291
<212> DNA
<213> Glycine max

<223> Clone ID: 701039551H1

<400> 46486

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aaggagaaaa acagttactg ttataagctc gcttgcagaa tccggtagct gcgaaaattg 180
gctagtttct gaaggagttc tgccacctct tataaggctt gttgaatctg gcagcacggt 240
ggggaaggaa aaggccacaa tatcccttca gaggttgctg atgtcagccg a 291

<210> 46487
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039552H1

<400> 46487

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gggttactac attgagccaa caatcttctc taatgttaag gaggacatgc ttatagcaca 180
agatgaaata ttcggtcccg tgatagcact gatgaagttt aagacaattg aggaagcaat 240
tagaagtgct accaacagca gatatggcct agtagcaggt gttgtga 287

<210> 46488
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039553H1

<400> 46488

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 gaacctgcct catccagtca agctgattcc attgcagcat atgcactttg ggagcaggtc 180
 aacgtgaccc gcgattcttc agattatttg tggatatga cagatgtcaa cgtaaatgct 240
 aatgaaggat ttctaaagaa tggacaatct cctcttctaa ctgtaat 287

<210> 46489
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039554H1

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 tgttgtgtat tgggtatgga agaaagtgc agtggacaat agtgagaata gtgagagagg 180
 aggattccat aatagctgct ctcttgaaat acaaacacag tctggtttgt agcttagtta 240
 tttgtgtgtt caaccttttg tt 262

<210> 46490
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039555H1

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 tatatcgaaa ggcaacttcg ttgaaagtgc tggagcaaag ggcagcacta gaggaagaga 180
 gagagatgaa gcaaatgggtt gggtccctcgt cttctccttc ctccacggac accatgtcct 240
 ttagcagccc acaggaagag caaaacatgc ccttgccatt gttgcaa 287

<210> 46491
 <211> 284
 <212> DNA
 <213> Glycine max

0953113-032200

<223> unsure at all n locations
<223> Clone ID: 701039556H1

<400> 46491

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acctgggcac catatcagac caagttgatt gacctgaacc ttctatgtcc tgaggagata 180
gattggctga actcgtatca ctccacatgc agagatatcc tagcgccata tttgaatgaa 240
gttgaaaatg catggctgaa aaaagccact gaacccgtag gtgc 284

<210> 46492
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701039557H1

<400> 46492

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gggccccaga gttacaactt caagggctct tcaaatatga gcttggaaat ggaatactca 180
ctggattcaa ctgtcatgga aaatggctct tcaaagcggg taaggactga atcatgtgca 240
tctggctcca ag 252

<210> 46493
<211> 118
<212> DNA
<213> Glycine max

<223> Clone ID: 701039559H1

<400> 46493

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acaatttatt gattactgta aatccaagggt gtttactgtc tgtagtaacg tttatgtt 118

<210> 46494
<211> 132
<212> DNA
<213> Glycine max

<223> Clone ID: 701039561H1

<400> 46494

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 ttcgattgaa catcgccgaa gaaggatttg acgtcgatga tgaaaatgaa attggtgaaa 120
 acattactgc tt 132

<210> 46495

<211> 149

<212> DNA

<213> Glycine max

<223> Clone ID: 701039562H1

<400> 46495

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 gtaaatttgc cgatggtggt gatgggcgtg aaatggctgc aaaacgccag cgcactgttg 120
 atccaggatc ttcattctat ggtgcttcc 149

<210> 46496

<211> 294

<212> DNA

<213> Glycine max

<223> Clone ID: 701039533H1

<400> 46496

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 aatcgaaacc gccgatgagt cctcggactc cgatcacagc acttcgccgg cgaccgaggc 180
 ggagaaggaa cccgcgacgg tcgccggtaa ctacctgctg ttccgccggcg ggacggagca 240
 ggccacagcg gtatccccaa tgctttggtt attgcgcact tcgatgtcgc gtcg 294

<210> 46497

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701039563H1

<400> 46497

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aacggatcga cgatgaagac gaccttctga tccgtcaagt ggtgccggat gcggaggacc 120

accacctgct caacgcggag ac 142

<210> 46498

<211> 62

<212> DNA

<213> Glycine max

<223> Clone ID: 701039486H1

<400> 46498

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<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039487H1

<400> 46499

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cttgcgccct aagaggaaga aggtttgggt ggactatttt gttcagtttc gatggatcct 120

tgttattttt gtcgtccttc ccatctcctt caccatttat ttccttacat accttgggga 180

tgtaagatcc gagtgggaagt cctataagac gcgtcagaag gaacatgatg agaatgtgaa 240

gaaggttatc aaacgtctca aacaga 266

<210> 46500

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039488H1

<400> 46500

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ccgccacctc cagcaggagg gtttcgatgt cacttatctt cccgttgagt ccgacgggtt 120
 gattgatttg gatgagcttc gggcttcgat taggcctgac accgggctcg ttccggttat 180
 ggcggtgaac aatgaaattg gagtgggtca gcccatggag gaaattggga ggatttgcaa 240
 ggagtttaat gtgcctttcc acactg 266

<210> 46501
 <211> 79
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039489H1
 <400> 46501

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 aaagctcaa gtcttaaat 79

<210> 46502
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039492H1
 <400> 46502

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 aaacccccat ttcttttctt ctttcttctt ctctttcgct tcttcgatct tcgatcttcg 120
 tcgctgaaaa tgagagagtg catttcaatc cacatcggcc aggccgggat tcaggttgga 180
 aacgctgct gggagcttta ctgcctcgaa cacggcattc agcctgatgg gcagatgcca 240
 agtgacaaga ccgttggtgg 260

<210> 46503
 <211> 259
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039493H1
 <400> 46503

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atgtctagct gtgggtgtgg aagcagctgc aactgtggca gcaactgcgg ttgcaacaag 120
tactcttttg acttgagtta cggtgagaag acaaccacag agactctagt tttgggtgtt 180
gggcctgtga aggccaattg gaggggtgctg aaatgggtgt tgcactctgag aacgggtggct 240
gcaactgtgg atcaagctgc acctgtgacc catgcaactg caagtaaggt caagatgtat 300
a 301

<210> 46507
<211> 307
<212> DNA
<213> Glycine max

<223> Clone ID: 701039503H1

<400> 46507

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gacctattaa ttagcatttg acagagagac accgagtata aacatacccc agtttaagat 120
ggcttcaaaa acttgttcct cccttgccct tttctcaca ctcaacctca tctttcttct 180
cacttgtttc tgcattgcgt tatacaccat gccctggtcc aaacccaaag ccaaggccca 240
accccaaccc taaccctaac cctagcccaa gtggctccta gcccgtgat gcactcaaac 300
taggtgt 307

<210> 46508
<211> 299
<212> DNA
<213> Glycine max

<223> Clone ID: 701039504H1

<400> 46508

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attcttggga attcttaact gtgaagcaca atatttcaat gctaaccat acgactattt 120
acaactagcc ttaagggtggc ctaattccta ttgcttgaca catgaagggtg gttgcaggga 180
aatagtacca caatatttca ctattagcta cttcatccc atgagaagag gagggccgga 240
tctgcaaaat tgccctcac catttaatat gccaaatagc actgtagta tatctctg 299

<210> 46509
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039507H1

 <400> 46509

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 aagaatcaag ttgaggatga ttcaccaata tttaggaaca aagagatgct agtggtcagt 180
 tgatgtaggc gcatcaatta caggtaccgg catttgatgt tgaatttggg cacacttttg 240
 cctcattgta agaaggataa caaagttgaa tcaaaggaca ctaaaggagt catcctcaa 299

<210> 46510
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039510H1

 <400> 46510

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 agctaggggt tgtccgtgtg gcagaatggg aaggtatcga agccggagca ggagctatag 120
 cccccggcgg cgaacacgga gccaccggc accgcgcgga cggaaccgct atgtcgacga 180
 tcgctacggt gacagcaggt cttacagaga ccgccgctca cctcttcctt ccggcttgct 240
 tgttcgcaat cttccccttg atgccagg 268

<210> 46511
 <211> 154
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039512H1

 <400> 46511

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 cttccaatgc tgacacgtgc tcattattct cctccgacca tttccgaatg ttccagttca 120
 aggtgcggaa ctgtccacgt gtcaggtccc acga 154

<210> 46512
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039513H1

<400> 46512

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 caatgagtgc tccacctcat catgatgatg acgacgacaa cgaagaagtt ttccttgatg 180
 agtctgacat catccatgaa gttgccatgg ataatgaaga tcttctgac gctgatg 237

<210> 46513
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039515H1

<400> 46513

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 tgcttgtttt ttctctcacc tcgaaaatgt cttgctgcgg tggttaactgt ggttgcgga 120
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 ctgagtcaac caccaccgag accttggtca tgggagtggc acctgttaag gctcaatttg 240
 aggggtgctga aatgggtgtg cccgctgaga acgatggctg caaatcccc 290

<210> 46514
 <211> 154
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039516H1

<400> 46514

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 aacacacaac aacacctgct tctggttcag acaa 154

0953113.032200

<210> 46515
<211> 298
<212> DNA
<213> Glycine max

<223> Clone ID: 701039518H1

<400> 46515

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gaggttgctg agcgtggctc cttctctggg aaggactacc aggaccctcc accagcacca 120
ctcattgatg ctgaggagct cacaaagtgg tccttttaca gggctctcat tgctgaattc 180
attgccactt tgctcttcct ctacattact gtgctcacag tcatagggta caagcaccag 240
actgacctca aggaaaatgg tgaaatctgt ggtgggggtg gcattcttgg cattgcat 298

<210> 46516
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701039519H1

<400> 46516

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tggtatccgat ggaaactgga gaaattaggc atatgaccct gtaaattagg gtttatgatt 120
aagttcaatt attttaaggt gttgtctgtg tgtggtttta gtttcgggtat ctgtgttggt 180
ttcgtttcgt gttcctgtgg ttttcgtttt tgacctacaa ttctagttgt gtttatagtc 240
gatcgaatga aatgatagta agaaattatc gcatcaaatt tctatgg 287

<210> 46517
<211> 300
<212> DNA
<213> Glycine max

<223> Clone ID: 701039520H1

<400> 46517

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gctcgcttct tgcttctctc atcaacaaca tgcagatctt cgtcaagact ttgaccggca 180
agaccatcac cctcgatgtc gagagcagcg acaccatcga caacgtcaag gccaaagatcc 240
aggacaagga aggtatccct cctgaccagc agaggttgat ttttgctggg aagcagctgg 300

<210> 46518
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701039523H1

<400> 46518

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agtttgtgcc atatgaggta atgcacgaga ggactgtgat ggcaggtgga acttatggat 180
atcttgcccc ggagtttgtg tacagaaatg agctcacaac aaagagtgat gtgtatagtt 240
ttgggtgtgct actacttgaa attgtaagtg gacgtagacc tgcacaggca gtg 293

<210> 46519
<211> 141
<212> DNA
<213> Glycine max

<223> Clone ID: 701039527H1

<400> 46519

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cgcaatggcg gttgttgctc aaaccctga catcgccggc gagcggcagt cgggccaata 120
cgttcgcacc caaaacgttg t 141

<210> 46520
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701039528H1

<400> 46520

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gagaaggtaa caagaacagt taggcaattt tcaccacatt tagctgcaa aatgagacct 120
 cctctcacgc ctgttattcg tggacgtcca tcatccaaga gagcaattta tatatgtggc 180
 cggccgcggt gggtatttgt cttgatattt ccttctgcaa gtttctttct ttggtt 236

<210> 46521
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039529H1

<400> 46521

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 aacgaactgt catttggtatg ggaaagaggc aagaaactgt agaggatgtc ccctgtggta 120
 atacagtggc tatggttggc cttgaccagt tcatcacaaa gaatgcaaca ttgacaaatg 180
 agaaggaagt cgatgcccac cctatccgag ctatgaagtt ttctgtctca cctgttggtc 240
 gtgttgctg 249

<210> 46522
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039485H1

<400> 46522

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 aaaatgtaat tgccatgtgt ttggcaatac aaatatccaa ataatgtaat cttcgtatga 120
 ataaatgtgt gtgctgttat cctacttcag gtctgtgtag tcatgcagtc tgaatcattt 180
 caagttcctg tcttagttaa tataacagcc atgggttggtg cattctatgg tttattagac 240
 taaaataagt gtaaatctcc gtcc 264

<210> 46523
 <211> 197
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039530H1

<400> 46523
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 gagatggaag acctggagct tttccagaag cacatcggag accgcttctc ggagctctta 180
 tcctccacct ccgaaga 197

<210> 46524
 <211> 140
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039532H1

<400> 46524
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<210> 46525
 <211> 277
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<223> Clone ID: 701039450H1

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 tgcttctgtg gagggagtag aagcaaaact gtggcaggta cctgaaacat tgctgaaga 180
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<210> 46526
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039451H1

<400> 46526

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 caattcaacc cacttcatct caggtgtttg aagttgagat aaaaatgagc ggaacagaga 180
 aagcaggatc aggaaccacc aaaacccccg ccgatttcct caaatccatt cgtgggagggc 240
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<210> 46527

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039455H1

<400> 46527

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 cctccattga agtggctggt gttgacatct ccaaatccccg gattgcagca tggaacagtg 180
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<210> 46528

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039456H1

<400> 46528

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 cgggggtcttt gcagtccgtg gaagagcttg ttgggttatc tcagctttca cctttccagg 180
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<210> 46529
 <211> 265
 <212> DNA
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<223> Clone ID: 701039458H1

<400> 46529

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 aaagtgtgtg cctgaatagc tcaaaattga aagagcgcaa ctacatgggg ttatctgatt 180
 gttcatctgt ggacagctcc ggcgcgtcct tctcagatga gactatcact aatctgaacc 240
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<210> 46530
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039459H1

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 tcgatgtggg cagcttcttg cctggcgtca tgctgcgcgg cctgcgcatg cgacgcctgc 180
 aggaccgtcg tatcggaat cagccgcctt tccgccagga tcgcctactg cggcctcgtc 240
 gccttctctc tcgtcgtcgc ctg 263

<210> 46531
 <211> 259
 <212> DNA
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<223> Clone ID: 701039462H1

<400> 46531

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 ccagagacct tcgaactcaa caatggaagc atgcaggtcc tcctcaccaa tctcggctgc 180

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 cttgaatctg ttgaatcct 259

<210> 46532
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039463H1

<400> 46532

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 gatctacaac aaactcatgg acttcattcg gaatcagtag agagacaggg gctatcaaga 180
 ggtcatatct cccaatgtat ttaacatgga actgtgggtg caatctgggc atgctgcaaa 240
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<210> 46533
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 <212> DNA
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<223> Clone ID: 701039464H1

<400> 46533

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 cagatcaacg ccggttccgc ca 142

<210> 46534
 <211> 277
 <212> DNA
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<223> Clone ID: 701039465H1

<400> 46534

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gggtcttctt gactattgga gaagtattga ctgcaagctg gatttctgaa ttgctacgga 180
 ttgaaccgag tgttgtacct ctgtctttgt taatagaact cgtgtgtgga aataagatct 240
 tagcttttca tggctgggtt gaattggaat gttgtaa 277

<210> 46535
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 <223> Clone ID: 701039466H1
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 caccgtcaaa gggtcttcat ttgagaaatt tgccgtggga gtgtacagag gaggaactag 180
 ttgagcttgg gaagccattg ggaaattgtg aacacaaagt gcacgttgga gcaaactgta 240
 atcagcttta tggtttgcag ttt 263

<210> 46536
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039467H1
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 ctcatcaagc ctttcaaatt cagccccagc aaagagggac aaagcgaagt agaagaaata 180
 aagaacctag ctgcacaaga gcaaaagatc ttcccctacg aaacattggt tgctgctacc 240
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<210> 46537
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 <213> Glycine max
 <223> Clone ID: 701039468H1

<400> 46537

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cgcaagaaga cggcgggtggc cgtgacctac tgcaagctcg ggcgcggcct catcaagatc 180
aacggctgcc ccatcgagct cgtcgagccg gagatcgctc gctttaaggc ctcgagccc 240
atcctcctgt tgggaaacag ccgcttcgcc gg 272

<210> 46538

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039470H1

<400> 46538

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catcaagcca acgtcacctt tattgatccg aaggaatatt ttgagattcc atgggcaagt 180
ttgacgggat tggttgagcc aacttttgct gaaaggatag taatcaacca tagagagtac 240
ttcaaaaagg gtaaccttgt tgtatcc 267

<210> 46539

<211> 76

<212> DNA

<213> Glycine max

<223> Clone ID: 701039471H1

<400> 46539

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ttcgctctcg gcatcg 76

<210> 46540

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701039473H1

<400> 46540

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tcttgctctt gcaggagaga gccatgtcca tgcacgcta cctgaggaag attattggga 120
agctgtttgg ccaaactc ccattcccac tgcactgca gagcttctaa agcctctccc 180
tgcagggttt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240
attcttctat aaagaagacc ttcac 266
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<210> 46541

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701039474H1

<400> 46541

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tgtaagggtt ggtcaattta ctggtgtaac ctcaccatta cgcattattt ccagacctac 180
cagttcgaga atctgttctc caagcggaac tcgctgctcg cgcacgcggt cggatttttg 240
gactaccagt cttcatcgc cg 262
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<210> 46542

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039475H1

<400> 46542

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ttcgtctct ccaaatttcg actctttcga tcagatccgc gacaccacc ccacaaaac 120
cttgcgcaac ccatccatga cgcttggtc aggaggatcc agtgctgttg ttctaggaa 180
cttcagattg ctggaggagc ttgaacgtgg tgaaaaagga attggagatg gcacagttag 240
ctatggaatg gatgatggtg atg 263
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<223> Clone ID: 701039477H1

<400> 46543

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 gtgcgccatt tgtatgtctc agcctcccga ggctcctcct tctgggtccc ctcaattcaa 180
 ggacttcac ttcgcgtgtc ttcagcgcga tccctctcgc cgctgggtctg cttccagggt 240
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<210> 46544
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<223> Clone ID: 701039478H1

<400> 46544

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 tcccataacg ccatcgaatt atgcagccct tgagggcatt ttgtattgca agcaccactt 180
 ctcccagctt tttaaggaga aaggagcta taatcatctt actaagtctg catcagtcaa 240
 acgggcagcc gcagccacag 260

<210> 46545
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 <212> DNA
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<223> Clone ID: 701039479H1

<400> 46545

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 gctccaaacc ctgccgatcc aaaaccgaga gtgatttgca cacgaaaaga accggccata 180

ccgagttcgt tgacaagact tccgaggccg ttaaaccgat tagtttggag gctccgaagt 240
 ggatgcaact gcttcac 258

<210> 46546
 <211> 259
 <212> DNA
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<223> Clone ID: 701039480H1

<400> 46546

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 cgtgatgagc aaatcaccca acaagcaca cgtctgtac atggaagcaa gaccattgga 180
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<210> 46547
 <211> 275
 <212> DNA
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<223> Clone ID: 701039482H1

<400> 46547

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 tcccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
 ccgaattttc cctgcaatct tgaacgctgc tgttgatctg aatttgtttg atatcatagc 240
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<210> 46548
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039483H1

<400> 46548

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 tcccacagag gaagcaaagg gggatgacac ttacctctca gctttgacac tatgcttcag 180
 ccgaattttc cctgcaatct tgaacgctgc tgttgatctg aatttgtttg atatcatagc 240
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<210> 46549
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039448H1

<400> 46549

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 ctccctgaga actaccagat gaagtactac ctctatcaca tctctcctg gccccagctc 180
 ctctacgtcg ccgaagacta caacggccgc atcgtcggct acgtcctcgc caagatggag 240
 gaagaaacca ccgactgcca c 261

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 <211> 80
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039484H1

<400> 46550

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<210> 46551
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039413H1

<400> 46551

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tcagcgtgat aatagtcagt ctgataatga tgttgagaat cccctgatta aacttctttc 180
ggagaaacat gccacttaca ttgagtgatt ctggtagatg agtctaggga atgacttttg 240
cttctcctcg ttacagttac agttc 265

<210> 46552
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039414H1

<400> 46552

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accaaatcgg tgtcctaggt catgtagcca ttgtctacat atacgaagca aatcccaaca 120
gcaacacccat tgagagattg aggaactctc ttagcaagct tttggtgtac tactatccat 180
tcgctggcag attcagcttg acaaaaagtg gtcgcataga agtggattgt aacgcaaagg 240
gagtgcatt gattgaagct aa 262

<210> 46553
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<223> Clone ID: 701039415H1

<400> 46553

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aatgggacaa tttcttggca aaaaggctta tgacaaggca gctatcaaata gcaacggaag 180
ggaagcagtg accaactttg agccaagtac ttatgaagga gagctgaaat ctgcagccat 240
taatgaagga ggcagtcaga atct 264

<210> 46554
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<212> DNA
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 <223> Clone ID: 701039418H1

 <400> 46554

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 gattgtggga cttggaaa 138

<210> 46555
 <211> 266
 <212> DNA
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 <223> Clone ID: 701039420H1

 <400> 46555

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<210> 46556
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 <223> Clone ID: 701039422H1

 <400> 46556

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<210> 46557
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039423H1

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<210> 46558
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 <212> DNA
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<223> Clone ID: 701039424H1

<400> 46558

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 aagggtggaa tagttgacat taatgctgct gcaagaatcg ttcttcatga ttggaatgaa 180
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 aagatagttt ctgagttttc aaaggagttt a 271

<210> 46559
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039425H1

<400> 46559

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tgaatggggg gaagatgaag caggatgtga tgaaacatgg caagaccctg ttggagttag 240
accgaaacaa ggacctgcaa ccaacttta 269

<210> 46560
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039426H1

<400> 46560

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ccggatccac cggtttcgcc accaaacgtt tccttactca ccacagaaac accgggtgagg 180
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ctcagacaca tcacagtgcac ggggtctt 268

<210> 46561
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039427H1

<400> 46561

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acggtatcaa gttgaacgat gcgattctcg ccgaggataa acacaaacct atgtatgaag 180
aattggctaa caatcctaata gtggagtaca ttgctggagg tgctactcag aattcaatca 240
gggttgctca gtggatgctt caagc 265

<210> 46562
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039428H1

<400> 46562

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 tcagtctctc ccaatccata tgcagtttcc aaccccaatc attccccacc caacgaagga 180
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<210> 46563
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039429H1

<400> 46563

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 tattcctatg tataaaagat cgctcattct gcacctatcc ttgaagctta ggtagaata 180
 gaaactcttt aatacaactt tctttcttcc atttattttt ctgttatttc agtatgataa 240
 aatcatattt aaatttttaa acaa 264

<210> 46564
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039430H1

<400> 46564

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 tggaaacgacc tattcatgtg ttggtgttta caagaacggc catgttgaaa tcatagccaa 120
 tgatcaaggt aaccgtatca ccccatcgtg ggttgctttc accgacagtc agagactaat 180
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 gagacttatt ggaagaaagt tcg 263

<210> 46565
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<212> DNA
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<223> Clone ID: 701039431H1

<400> 46565

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gattgctttg gtggagctgc tgcaaagcct cgcgacatg gatataacat tccaagggtt 180
aaaggagact gacatcggga ggcacgtgaa tcggttacgg aagcatcctt caaacgacct 240
tcggcgattg gtgaagttgc ttgtc 265

<210> 46566
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<212> DNA
<213> Glycine max

<223> Clone ID: 701039432H1

<400> 46566

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aacatacaca tatatgaaaa ggatcagggt tgagcctgtg acatttggct ttatgtgcac 180
cccaaagcta ggagaaagag acttcaaact aggtcgtccc caggcattga taagcaagca 240
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<211> 183
<212> DNA
<213> Glycine max

<223> Clone ID: 701039434H1

<400> 46567

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cgaatatgca acctcaattt agccagatta acatctctgt tacatggagg ggaaagacat 120
ttgttgcga gatgaatata ggagccaatg tgaaggatct agggcaggaa ttgcaaaagt 180
taa 183

<210> 46568
 <211> 273
 <212> DNA
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<223> Clone ID: 701039435H1

<400> 46568

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 gggtttggtg gttctgtaca acactcttca tcaaacagga gggattatga tgatggtggg 180
 tcaccaaaga ggaacctcag tttggatggt ttacctcatt ttgagaaaag cttctacatt 240
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<210> 46569
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 <212> DNA
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<223> Clone ID: 701039436H1

<400> 46569

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 tacgcatttc atgt 134

<210> 46570
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<223> Clone ID: 701039437H1

<400> 46570

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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggacac 180
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268

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<211> 77
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<213> Glycine max

<223> Clone ID: 701039439H1

<400> 46571

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tcaaatacata tcattttg 77

<210> 46572
<211> 268
<212> DNA
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<223> Clone ID: 701039440H1

<400> 46572

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gacaatgggt gaaactaagg acgaagcata cgaggaagag cttctcgatt acgaggagga 180

agacgacaag gccccgact ccgccggagc taaagtcaac ggcgaagcta ccaagaaggg 240

ctatgttgga attcacagtt cgggattt 268

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<211> 266
<212> DNA
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<223> Clone ID: 701039442H1 .

<400> 46573

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gttgtggcca ttgccccagc aaagaaccct ttttgcgtga agggctcgtgt ctactgtgac 180

ccttgccgtg ctggttttga gacctcagct accacctaca ttgctggtgc tgagattatg 240

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266

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 <223> Clone ID: 701039446H1
 <400> 46574

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 <212> DNA
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 <223> Clone ID: 701039447H1
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 ttccctccacc tatggagcac taatgctgga caaggagaag gagcaacttc aacttcaacc 180
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 caacgcttgg gaactcatgg agg 263

<210> 46576
 <211> 260
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 <213> Glycine max
 <223> Clone ID: 701039412H1
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 gtattatccc ttttggtggt tgctctccc atcaagactt tttgtagagt ggtaaagaag 180
 aaatcaacag agaattacaa gggagctcca tatataacga cgttcttgtg cacaagtttg 240

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260

<210> 46577
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<212> DNA
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<223> Clone ID: 701039375H1

<400> 46577

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attccttctg ttgggttagg cacttgcaa gctgagcctg gtgttgtagc caaagctgtc 180
accacagcca ttctggttgg atacaggcat attgattgtg ctcaagcgta taa 233

<210> 46578
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<212> DNA
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<223> Clone ID: 701039376H1

<400> 46578

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ctcttgattt ttgtacttgg tcaactcgaa ataaagtata taggccaggg tctaaatttc 180
ttttaattct tgtatcttaa aaaccattat tttgataatc tatataaact aa 232

<210> 46579
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<212> DNA
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<223> Clone ID: 701039377H1

<400> 46579

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ctcgaagaaa actgggaagg gaaagagacc cggaaaggtt gggaaccgct tttggaaatc 180

cattgggctt ggattttaaga ctcccagga agccatcgaa ggaacctaca ttgacaa 237

<210> 46580
<211> 238
<212> DNA
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<223> Clone ID: 701039378H1

<400> 46580

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cccagggttc actccattgt tctgaagtc gtcaggaacg tttcaaagaa agatccccgt 180
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<210> 46581
<211> 122
<212> DNA
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<223> Clone ID: 701039379H1

<400> 46581

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gg 122

<210> 46582
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<212> DNA
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<223> Clone ID: 701039380H1

<400> 46582

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cgtcatcaaa gctccc 76

<210> 46583
<211> 236

<212> DNA
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 <223> Clone ID: 701039383H1

 <400> 46583

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 tccgttaaca ctgctgctgc taccctctcg gtcattgggtc ctgcacagac tcaggggatt 180
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<210> 46584
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 <223> Clone ID: 701039384H1

 <400> 46584

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 tac 123

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 <223> Clone ID: 701039387H1

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 agggacaccc tgataagctc tgcgacaaaa tctccgatgc tgtcctcgac gcttgccctcg 180
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<210> 46586
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<223> Clone ID: 701039388H1

<400> 46586

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tacctgaaag aagcactgaa tgtgttcaat gaaatgcagg aggtgggatg tgagcctgat 180
cgtgtcacat actgtacact cattgatatc catgctaaag ctggatttat tgat 234

<210> 46587

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039389H1

<400> 46587

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tgctgagaaa aaaacagaat tagatgagtt ggtaaacag aaattgaggt tggaggaatc 180
acttagagaa tctgaggaga aagtgactgg tttggagtcc agtattcttc aattg 235

<210> 46588

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 701039390H1

<400> 46588

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ttttaaacac tctctttcta tcgcgctctc tcactttccg gctcttgagg gaaggtaga 180
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<210> 46589

<211> 233

<212> DNA

<213> Glycine max

<223> Clone ID: 701039392H1

<400> 46589

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atagtgtgtg tgggtgtgta gaggggtgat agtgttgact gttgaaaaaa ccttgatatga 180
gaagaaagag gcatttttag ttgacatgct gtagcatttt gatggagttt act 233

<210> 46590

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039393H1

<400> 46590

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gcgatctcct cttctcctgc gccaaaggacc acaaccctac cgtctggttt gccgacaacg 120
gcgaacgctt gggcacttat cgcgggccaca acggcgccgt ttggacctgc gacgtctcaa 180
gagattcggc tcgactcatc acgggaagtg ccgatcagac cgcccagcta tgggac 236

<210> 46591

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701039394H1

<400> 46591

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agatactttg ttcacatttc acggtcgtcg cgtgttatgt gatgataaag gaagtcccat 180
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<210> 46592

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701039395H1

<400> 46592

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tatttgttgt tcaacatttc aattttgtca tcggtgttct ctgaacatgg agcagagatt 180
tcaatgggtc tcaactcaaa agaacctctt gctgtagtga aggaggagat gcacgtttat 240
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<210> 46593

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039396H1

<400> 46593

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caactctgat tttcgtgttc gctggtgttg gttcagccat cgcttacaac gagcttaca 180
aagatgcagc cttggatcca acggggctgg tggcagtagc tgtggcccat gcatt 235

<210> 46594

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039402H1

<400> 46594

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ttaacgttgt tgttgggtgtt tgtttcttct tttccggcgt tgagctacgg agttgttcct 180
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ttcaatcaaa cctcgatca gttctctccc tatgatca 278

<210> 46595
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<223> Clone ID: 701039404H1

<400> 46595

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<223> Clone ID: 701039405H1

<400> 46596

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 gctttcaatt atagccctgg gactcacaat gtggtggccg tgaacaaggc tggatatgat 240
 agctgcaaga ctccaagagg agccaaagtg ta 272

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 <213> Glycine max

<223> Clone ID: 701039406H1

<400> 46597

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tatctggagt tattggcact atgacttact atgtagtgag gtctaagaga agcagatcaa 240
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<223> Clone ID: 701039407H1

<400> 46598

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 gtaaaccggc ctacggaggt gttttatc 268

<210> 46599
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<223> Clone ID: 701039408H1

<400> 46599

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 aaggaagttg gtcaggacag aggagctctc gttgagttct atgctccttg gtgtggac 178

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<223> Clone ID: 701039409H1

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aacccatgct gctttacccc ctgaagttaa ctggaagtgc gtgcttccta ctacgccaat 180
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<210> 46601
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039374H1

<400> 46601

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 agctctatgc cgacgtgact cccagcaccg ccgagaactt ccgcgcgctc tgcaccggcg 180
 agaagggcgc cgggaggagc ggcaagcccc tccactacaa aggctcgtcc ttccac 236

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039410H1

<400> 46602

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<210> 46603
 <211> 81
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039332H1

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 <213> Glycine max
 <223> Clone ID: 701039333H1
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 aagt 244

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 ggactgaaat cgaagtcgaa gcaagcaatg ggcaacgctc agtcaccttc caacaatgat 180
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<210> 46606
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039335H1
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 cttgcatact tacatgagct tgccaaccct cccataatcc acagagacgt gaagtcgact 180
 gctatattgt tggatgaaaa ttgacagca aagggtgcag attttggtt gtccaa 236

<210> 46607
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 <213> Glycine max
 <223> Clone ID: 701039336H1
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 ttcgaggttt ttaacttcac tgggtgaagg ggtgtttcat tggctatgta caatactgat 180
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<210> 46608
 <211> 237
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039337H1
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 <213> Glycine max
 <223> Clone ID: 701039342H1
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atggcctttg tcaccactgc tgaagtgtgt gatgcgaacc cacagttaat tttgagtggg 120
gagcttcgtg cccttcagcc agtttttcag atttatggcc gtcgacaggt tttctctgga 180
cctatagtta ccttgaaggt gtttgaagac aatgttttgg ttcgtgagtt ccttg 235

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<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701039343H1

<400> 46610

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ctcacaattc ccaatcctca cgttgcctcc ttcacatgaa gtcctctctg cgctccgtgt 120
tttcgctctc tccctgaatc actcatcctt ataataaata aattctctct ctcgaagaag 180
aaggcgaaag aggttttcat tgttcttggt gttgtagacg aagaagaagc tcaagaatgg 240
agtcgacg 248

<210> 46611
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039348H1

<400> 46611

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ctatcagaca gccagcctcc aaacttcgag aacaggtcgc tcgtcaacaa caggctgtgc 120
ttaaacagtt tgggcctggg ggatatggac gttcagataa tatggttact gatgaggtag 180
agcttcagca acatcagaaa cttgagaagc tttacatc aacacgtgct ggacagcatt 240
atcaaaggga tattgtccg 259

<210> 46612
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701039349H1

<400> 46612

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aagcatgaca acatcattgt ccagcatcct tttcaaggga attgcagctc gttctttcac 120
cgccccctcta actaggtcct gttatcatgg aatgagatac tttgctactg tatcaaata 180
tcctgacaca catgatgact tcaagccagc taataaaactt gagaattcca acatttcttt 240
g 241

<210> 46613

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701039350H1

<400> 46613

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atctcgtgtc cttttttctg atataacaga tcaagctagc tgaagaagct ggaaatgggt 120
ccaaggtcac tagtaccacc acctcctcca cttcccaaata tctcaagacc aaaagcagaa 180
gagagtgtca caaaccgaga aattgccaaag ttttgagggc aaaagaggat cgtggagga 239

<210> 46614

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039351H1

<400> 46614

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ttgggtttatc aggacctcct tacaggtgat gagcttctct cggactcctt ccgttacaat 120
gaaattgaga atggaatgct gtgggaagtt gaggggaagt gggttgttaa gggagcagtc 180
gatgttgaca ttggtgcaaa cccttctgct gaggggtggag aagatgaggg agtcgatg 238

<210> 46615

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039352H1

<400> 46615

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atcaacatgg gtggggattc tattgtttct catggtacag acgaaggttc ttgtttggag 120
gagaattttc ccttgctttc atctcactcc tcacctgctc tcagggataa tttgggcttg 180
caggatgaag acaacagaat gaaagcggag aatgggttaa cttgtagtga aactg 235

<210> 46616

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039353H1

<400> 46616

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acgaagagga caaggtaaac tgaatcgccg cttctgtgtg gcttcgttct ttcgttttag 120
ttttttcatc tttttagctt tagagggttaa tacattcttt aaaaaaatgg aggttttggg 180
gggtcccgtc ttcaccatcg acgttccttc gtctccgccg cgggatggcg gttcc 235

<210> 46617

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 701039354H1

<400> 46617

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caatcgaaga gtgagggaaa ttgtggagca gagttggaca gcagattaag ttcacacctta 120
tatgcatggg aagctttgaa ggcataaatt tggttgcagt gatggcaact ataagaatga 180
ttgtgcaaac tcatcacatt tatattctct gctgatatgc atgatagcat catctta 237

<210> 46618

<211> 235

<212> DNA

<213> Glycine max

<223> Clone ID: 701039356H1

<400> 46618

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 tacatgtacg gcataattaa ttacgtttta atacataatt tcaggacaaa ccttacagca 180
 agtcgaccga ggccaaaccc gcaaggctcg taccattacg gtatgataaa cacga 235

<210> 46619

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039357H1

<400> 46619

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 tgaagcaagc tgacaagact aagggaagct tggatggtgg aaatggaatc ggcagctgaa 120
 aaccctaatt acccggcggg ggactacaag cgaccttcca tcttgtcatt tcctcgagg 180
 cccgcctca gagttacatc cgagttcgat agtgaaagcg cagtcttctt ccataa 236

<210> 46620

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039358H1

<400> 46620

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 cttcttctac ctttcaagtt ttaaaagtat aaagatggca gagacattcc tatttacctc 120
 agagtcggtg aacgagggac accctgacaa gctctgcgac caaatctccg atgctgtcct 180
 cgacgcttgc ctcgagcagg acccagacag caaagttgcc tgcgaaacat gcacca 236

<210> 46621

<211> 74

<212> DNA

<213> Glycine max

<223> Clone ID: 701039361H1

<400> 46621

cccggtttat gcgttgatgt cattctgac acccttgcta ccacagggtt caatctattg 60
tcattcaata cggg 74

<210> 46622

<211> 146

<212> DNA

<213> Glycine max

<223> Clone ID: 701039363H1

<400> 46622

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ccaccaagg cgcgagcctt cgagcacggc ctcttgcca tcccgccct catcttctcc 120
gacccggcgc aaaccctaatt tccgtt 146

<210> 46623

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701039365H1

<400> 46623

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aaagaccatc acccttgagg tggaaagctc tgacaccatc gacaacgtca aggccaagat 120
ccaggacaag gacggaattc ccccgatca gcaacgtctc atcttcgccg gaaagcagct 180
cgaggacggc cgtaccctcg ccgactacaa catccagaag gagtcaaccc ttcaccttgt 240

<210> 46624

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701039366H1

<400> 46624

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cataaccaat ttatcatctc tccgatcttt caatggattc tgacttctgg acctcgcgtc 120
 ttgctgccgc taaacgcaa tacacgcttc agcatcacca tccaaattct cacttagatc 180
 ggttgggcat cgatgatttt gatgtggaag aagaggtag acctgatttt ccttgccccg 239

<210> 46625
 <211> 236
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039367H1
 <400> 46625

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 cttcgttgtg ctgtgcttgc ttctctttta ttctttctat tagtattcgt ttcgttttct 120
 ccgccgtttc cgtagctcgg cttcagcagc accagaacca ggtgtctact atctgaattc 180
 acatgtgctg ttattgtctt ccaattgggt gacatctgat tgaagagcaa tgcaga 236

<210> 46626
 <211> 233
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039369H1
 <400> 46626

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 caacaaagct tcccatggct gcaccttgtg tcttccaaat atgtgcaagg gtttaatcat 120
 tgatagaacc aagattcaat ttcacaagag ggtaacaaga ggatgatcta tcttggtgat 180
 ggtagtgggt actattgccc aagcttgagg ctaaaagaga gagactatat gat 233

<210> 46627
 <211> 235
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039370H1
 <400> 46627

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gcatgatggc caagtgtgat ccaaggcacg gcaagtacat ggcttgctgc ttgatgtacc 120
 gtggtgatgt tgtccctaag gatgtcaatg ctgctggtgc caccatcaag actaagagga 180
 ctgttcagtt tggtgattgg tgtccaactg gattcaagtg tggatatcaac tacca 235

<210> 46628
 <211> 123
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039331H1

<400> 46628

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 taaactgggt tagccantcn aaacagacgg gctatgggtc gtgggggtcag tgctgggtgg 120
 ggt 123

<210> 46629
 <211> 78
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039371H1

<400> 46629

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 agaagctggg cgccatcg 78

<210> 46630
 <211> 233
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039372H1

<400> 46630

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 tccgaataga gctaagaggg tatagacatg gctagcgcaa ttgcagcttc ttttttggtt 120
 ctgcttctgg ctttccccac tgtatttggg gctgaccatg aagttgggtga cactagtggg 180

tgggccctcg gagttaatta caacacctgg gcctctggga aaactttcac agt

233

<210> 46631
<211> 234
<212> DNA
<213> Glycine max

<223> Clone ID: 701039373H1

<400> 46631

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gacacacact ctttccatct ggagtatagc tcaactggctt gtacagttga aattgtagat 120
gatgtatttg ctgccattga ccacatacat caccatggaa gtgctcatat tgaatgcatt 180
gttgacagaag actctgaagt cgccgaagct ttcttaagtc aggttgacag tgct 234

<210> 46632
<211> 268
<212> DNA
<213> Glycine max

<223> Clone ID: 701039290H1

<400> 46632

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ttcatcactg gtaaggcaaa catgaggggc attctttccg taaggacagc cttgggttaa 120
catcatagtg agaaattgtc cttgggttca gagtatttag cactcagggg gcttccactg 180
ctagtacccc acagccgcca ccaccacctc ctccgccgga gaaaacccat tttggcgggc 240
ttaaggatga ggacaggata tttactaa 268

<210> 46633
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039291H1

<400> 46633

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agaacattct agtctttgat cttgggtgtg ggaccttga tgctcagtatc ttgacaattg 120

ataacggtgt ttttgaattc ttgctacaaa tggagatact catcttggag gtgaggattt 180
 tgatcaaaga ataatggagt acttcattaa attgatcaag aaaaagcatg gaaaggatat 240
 tagcaaggac aacagagcac ttggaaa 267

<210> 46634
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039292H1
 <400> 46634

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 ttgggccacc gaccacgatg ctctcgagaa agccttctct caatttggcg aaatcgtcga 120
 atcgaaggtc atcaacgtcg tgaaactgga agatccagag ggtttggatt tgtgaccttc 180
 gccacagagc aggcgatgag agacgcaatt gcaaggaatg aacggccaga acctcgacgg 240
 tcgtaatata accgtgaacg aggctca 267

<210> 46635
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039293H1
 <400> 46635

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 ccaccaagga acgcgaaaac ttcgtctaca ccgccaagct cgccgaacaa gccgaacgct 120
 atgaagaaat ggtggaagaa tgaagaatgt ggcgaactga acgtggaata cacggtcgag 180
 gagcggaacc ttctgtcggg aggggtacaag aacgtggtgg gtgctcgtag ggcttcgtgg 240
 aggattctat cgtcgattga acag 264

<210> 46636
 <211> 266
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039294H1

<400> 46636

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 tactgggctg aggttaccgt tgcaaaccat aaccacttg ggaggcttga taactggagg 120
 ttgagctggg actggataat gatgagttta tatattcaat gaaaggggct tacccttcgg 180
 ttgtggatgc ttctgattgt ctctttggta agcaaggaac tttctatagg gatcttgact 240
 ttgcccttgt gttgaattgt gagaga 266

<210> 46637

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039295H1

<400> 46637

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 atgattcatc ttcccttct tccggcaca gtcaggctcg agaattccaca gaggtaacca 120
 aatattccaa cccaatccta gatacataag cgacatactc atggacgagg aagacgactt 180
 ggagcgcaaa ccttgcattg tgcaggaatg tttgagactc caggctgctg aagaatcctt 240
 ccatgatgtc cttctccatc aaaaccttc 269

<210> 46638

<211> 238

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701039296H1

<400> 46638

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 .gatgggtggg gtgttgctgt acttggttga gtgccaaaca aagatgatgc attcaaaact 120
 catccagtga atttcttgaa gagaggactc taaagggtag cgtctatgga nactacaaac 180
 cccgcactga ccttccttct gttgtggaga agtacatgaa tggggaattg gactggag 238

<210> 46639

<211> 244

<212> DNA
 <213> Glycine max

<223> Clone ID: 701039301H1

<400> 46639

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 tccattggca atacttgtga tgatattagg cacaccatac tctagtgttt ctggaaagag 120
 tgaaagtaat gtgcaacagc tgtttttctg tctcctaagt ttgaacttgg accgggatcg 180
 gttgaaaata aatatgatta tgctattgat tttccaagag gtcatatagc acttaagagt 240
 ttca 244

<210> 46640
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039303H1

<400> 46640

agaatccag gcgaggagaa agatggaggg gaaggagcag gatgtgtcgt tgggagcgaa 60
 caagttcccc gagagacagc caattgggac ggcggcgag agccaagacg acggcaagga 120
 ctaccaggag ccgacgccg cgccgctggt tgacccgacg gagtttacgt catggtcgtt 180
 ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca tcaactgtctt 240
 a 241

<210> 46641
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039305H1

<400> 46641

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 ccacaacagc 70

<210> 46642
 <211> 239

SECRET

aagagaatgg ctcgcaaggg tttaatcttc ttggctgtgt tatgcttctc agcactgtca 60
 ctgagtcggt gtcttgcgga ggataatgga cttgttatga acttctacaa ggaatcatgc 120
 cctcaggctg aagacatcat caaagaacaa gtcaagcttc tctacaagcg ccacaagaac 180
 actgcttgct cctggctcag aaacatcgtc catgactgtg ctgttccgcg ttgtgatg 238

<210> 46646
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039312H1

<400> 46646

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 agcaaacctt ggggattccc gggcagtttt gggaagagca gtcaaggcaa ctggcgaggt 180
 tttatccatg caattatcag cagagcacaa tgcacgata gagactgtac gacaggagct 240

<210> 46647
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039314H1

<400> 46647

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 tgaattctga agcttttgct acgtttctac cattcaggtt tgtttctccg aacgcgaaaa 120
 tctaatactt cttttagggt ttgtgctgga tgatctgcga gaatctatgt tctatccgac 180
 ttcatttata tcagtgaagt tttctgcgct tccacgatgc aaatatagcg tttcgcgttt 240

<210> 46648
 <211> 241
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039315H1

<400> 46648

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 ccctctctgc ttgaacatca gtctgtgaca tgtcaaaggt ttgggagaca tttgatatag 120
 agattgctgc tacaccaatg cctgagcaat atcaaaataa aatggtttgg atcctgtgca 180
 acgattgtgg taaaacttct cacgttcagt tccattttgt ggctcaaaag tgtccgaact 240
 g 241

<210> 46649
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039316H1

<400> 46649

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 cctcgccgta gtcgccgtgg aagatctgcc cgtcctgctc ctcggtgcagc acctcgctct 120
 gctccagttc accatgctcc tcctccagcc cctgctcaga gcgggtggcgg atctatgctt 180
 ggtggcattg gttcaaccat agctcaaggt atggcttttg gcaactggaag tgcagtggca 240

<210> 46650
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039317H1

<400> 46650

cgcgtagctc accgcatact gctcgactag cagctctcgt tgtttcggag ttagggacct 60
 tacgcagcca tggccactgc tacgaatgcc gccgccgccc caccacgcca gctctcccag 120
 aaggaagctg acatccagat gatgttggcc gccgacgtcc acctcggcac caagaactgc 180
 gacttcctaaa tggaaactga catcttcaag cgccgcaacg acgggattta cattattaac 240
 cttgggaaga cgtgggagaa gcttcagc 268

<210> 46651
 <211> 242
 <212> DNA
 <213> Glycine max

09531113.032200

<223> Clone ID: 701039318H1

<400> 46651

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gttttagctca attgattcag caagtgtgtg agtgagttat tgtaaaacttt ctgatatctg 120
tcttccattt ttatgattaa aaaaatcaga gcaatgaatg ttttatattt aagctcaagt 180
tcaagcctaa gcatgtccaa gccgtttcaa ttctcaagta aacatcatca aagagcttct 240
ag 242

<210> 46652

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701039320H1

<400> 46652

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gtttctgttc ttcattctct tctctctcag ctatgcctcc gaacaaatct tccccgctca 120
tatcggtagc atatttggtg gtggcgggtg tggccgctct cgcgaaacaa aatacaagat 180
tgaatttcat cccgaagatt tcccttttca ccctgatgat gatcaggaat ctatagtc 238

<210> 46653

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701039323H1

<400> 46653

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ttgaagaggc ttaatgcccc aaagcattgg atgcttgaca aactgggtgg tgcatttgct 120
cctaagccct catctggacc acacaaatcc cgcggaatgc ctgccactca tactcatttt 180
gcgaaaccgg ctgaagtatg ctctgacata ccgtgaagtc attgctattc tgatgc 236

<210> 46654

<211> 235

<212> DNA
 <213> Glycine max

<223> Clone ID: 701039324H1

<400> 46654

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 ccacccttta tgctgctaata agtaatctca tctctttgct atcattcaga ttgatttctc 120
 tcttagcacc tcgatcaacg ggctaaaagt ttaaactttg ctgcttaaac ttttctttca 180
 cggtttgata catcttattg attttagtgc tatttcaaag gggcgaaatt tgaga 235

<210> 46655
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039289H1

<400> 46655

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 ggaggaggcg gcgaaccogt acgaatgggtg tctggcgtgg aggcggaggt ggttcgggtg 180
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 taccaaagcg aggaagagat gaaggaga 268

<210> 46656
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039326H1

<400> 46656

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 aagaggagga acaagaccca caccctctgt gtgaggtgtg gccgccgcag cttccacctc 120
 cagaagagtc gttgctctgc gtgcgcttac cccgctgcgc gcaccaggaa atataactgg 180
 agcgtgaagg ccattaggcg aaagaccacc ggaactggaa ggatgaggta cttgcgta 238

<210> 46657
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039328H1

<400> 46657

catcgcttgt cgcttctagc attggtatca atcctcacc tcgcttttct tgttaccctc 60
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 aataatgctc agtt 134

<210> 46658
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039329H1

<400> 46658

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 gtgtcgttgg gagcgaacaa gttccccgag agacagccaa ttgggacggc ggcgcagagc 120
 caagacgacg gcaaggacta ccaggagccg gcgccggcgc cgctgggtga cccgacggag 180
 ttacgtcat ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt 240

<210> 46659
 <211> 125
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039330H1

<400> 46659

gcttcttcta atggccatag atcaccgaaa tcagagttgg aaactcaaga ggttgagaaa 60
 attgcatcag gagaagttga aactgcttct ggctctcatt ctgtcactac ttatagtga 120
 cagaa 125

<210> 46660
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039258H1

<400> 46660

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 tccaatttta ttcttcttga tcaaaagtcg tagaactaga aggttaggtt gagggcgata 120
 tgaaggtaac caaaggaag gaactaaaat tgttctgaca aaacccttcc aattggaagg 180
 tgaatcagat ttagaaccgt cttatagagc tccaatctc ctacatcgct tgttaagttt 240
 actcaagaac gtgcggccag gatcagatct cac 273

<210> 46661

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701039259H1

<400> 46661

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 gtttccaaac tcctctgccc aacagaggat gccagtgggt ggaatgggat ctgcccctga 120
 cttcacatgc aagaaagaca caaggaggct atcattgagg ccgtgaaaca gggttacaga 180
 cacttcgaca ctgctgctgc ttatggctct gaacaggctc tcggtgaagc tctcaaggaa 240
 gctatccatc ttggcctcgt ctcccgccaa ga 272

<210> 46662

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039263H1

<400> 46662

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 gatttggaac ttgatggagt ggtggatacc tcaattgagc aattgtatca caatgtgtgt 120
 gaaatgagga gctctgatca ttccctcaa gggctagttt ctactcttat gattatgatg 180
 gcgagtccag gattgattca gaactaggcc atcttgctgg tgatattgtg gatttggaag 240
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[illegible]

<400> 46663

<210>	46664
<211>	178
<212>	DNA
<213>	Glycine max

<400> 46664

<210>	46665
<211>	269
<212>	DNA
<213>	Glycine max

<400> 46665

18596

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269

<210> 46666
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039268H1
 <400> 46666

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 gagttctcgg caaatcgata cggacacggg atccaacaaa gacatggtcg ttttgggtctc 180
 tgatgggtgtc tctgattatg ccaataccct tctccaggct gatgggtgga tagttgagaa 240
 gattagttta ctggcaaata ctaatacaagt a 271

<210> 46667
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039269H1
 <400> 46667

gccagccctt cctccatttc ctccatcat aaactcttct caataaccag atatttcatt 60
 gcatgaatat tcaaaaaaca atggccatgc tcaatatcat ctccattctc tctctcttac 120
 tcaactcaatc ccacgcaaaa ataccggcgt ctattccggg gggccatggc aaagcgctca 180
 cgccactttc tacggtggca ggcagcctc aggaactatg ggaggagcgt gtgggtacgg 240
 gaacctatat tccaaggct acggtgtgaa c 271

<210> 46668
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039270H1
 <400> 46668

cttcaatcct cagtttcttt cttcaacgtt tccatcatc acagatccca atcctctctc 60

aagccctaatt ttcccctcat ttccatggcc acagaagagc ccactgtcgc ggtggaaccc 120
gctcccgaac ctgcctccgc cgacctcccc cggaggagaa ggaggagacc aaacctgaag 180
ccaaggctaa gaaaaccaag gagcccaaac ctaaaaaggt ttccagacct cgcaaccctc 240
ccactcatcc ttcttacgaa gagatgggta aagat 275

<210> 46669
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039271H1

<400> 46669

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aacagcgta gatgggaaaa taaaagcatg gttgtatgac aatttgggat ctctgttga 120
ttatgaagct cctggtcggt gggcacaacc atggcttata gtgctgatgg tacaaggctc 180
ttttcctgtg ggacaagcaa agatggggaa tcatccattg ttgagtggaa tgaaagtga 240
ggagctgtta aaaggactta ccaaggattt cg 272

<210> 46670
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039272H1

<400> 46670

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cttcagcttg gcttttatgc caagagttgc caaaagctg agcaaatcat tttgaaattt 120
gttcatgaac atatccacaa tgtccatcac tagcagctgc attgataaga atgcaactccc 180
atgactgttt tgtaagggga agtgatggat cggtgcttct gaactcaaca accaatcagg 240
ctgaaaagaa tgctcctcca aatctcacag tt 272

<210> 46671
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039273H1

<400> 46671

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 attcggagag aggatattga tcgaacgacc tcagcgagca aggacaggag gtggagtact 120
 agatcatgga ttccgtgcct tgaattcgca tggaaacctc gatgagcaga tttctcagct 180
 catgcagtgc aaacccttgt ccgagcaaga ggtaagggtc ttgtgtgata aggcaaaaga 240
 gattttgatg gaagagagca atgtacagcc 270

<210> 46672

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701039274H1

<400> 46672

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 attcattgga gatcttgatt tttgaatttc tgtggctcgt taatttatta acggcaataa 120
 atattattac tactacctta tgtaaaatga attgtgtgta tattttgtct ttaataccat 180
 atttaccctc caatttttcc aactattatc cttctcttcc acgccgcacg ccaatcgtca 240
 ctcattcagc gcgattccgc cggagaacgc g 271

<210> 46673

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039275H1

<400> 46673

cgttgttctt gcttttgtct ggtctctcag ctctgataga ttggcaccga ttctgggtgt 60
 gagccaaaaa agctttcttt tgtttcctct gtttttcttt tcggcaaagt agaagatatt 120
 tgtgattttc ttctgtgaat gaattcgagt cgttgcttct ggcttcggtg cttgctgttt 180
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 actgtgtggg ctggccatgg agaatt 265

<210> 46674
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039276H1

<400> 46674

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 acctgagaat tgagaaagtg tagtttgagt ttcacatcaa aagatttgtg gtaagaagcg 120
 ttttcttcag atcgaatggaa atcttgggat tgatctaagc tgcgccgttg gatctctccg 180
 ccacggccag ttaccggaga aggactgctt gtcacctctc atttccaaac tcctcggcta 240
 cgccatcgtc gcggcttcca ccaccgtcaa 270

<210> 46675
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039277H1

<400> 46675

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 aaagagtttt gttttgtcta ttgttctcat ggggtgggtt gaacagcaga tgaaggatag 120
 agccaaggag ctcaaggtct gctcaagaaa ggggtgaaga ttgtgggaga ttcattgcaag 180
 aaggggtgga acaaagtcaa acacatcaaa cgctagctga ttagtgattt gtaatcattt 240
 gttgcatggc ttattatccc aaagtctct 269

<210> 46676
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039278H1

<400> 46676

ccaaaacatc agtcatctcc ttcacaggaa ccctaaatct gaaactacct tgactccgat 60
 cagccacggc tgagaaaata gctcgtcttc acgatccagc gattccgctc tccaacggga 120

ctgcgcaggg tgaagaatcg aaggccagcc gccggtgaag aatcgcgga ttactctgga 180
aatcgcgctt ccagcacgat tcatgcccga tacagagatt taaccacgat tcaggaacaa 240
aaacgagaca acctccgatt cgtactggta g 271

<210> 46677
<211> 65
<212> DNA
<213> Glycine max
<223> Clone ID: 701039280H1
<400> 46677

gggattcggc tcgaggtttt ggagaccct acgcaaacc ctcctgtcg ctccatccac 60
gcggc 65

<210> 46678
<211> 271
<212> DNA
<213> Glycine max
<223> Clone ID: 701039282H1
<400> 46678

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caatggcttt ctttggtaga attgggaatt tattaagaca gacagcaagc aggcaggtta 120
gttcagaatt gcgatcatcc cttccctttt tcaggctata cgcagtatgt catctgctcc 180
aagcaciaag ctgtttatcg gaggtgtttc atattctact gacgagcaaa gtttgaggga 240
agctttttca aaatatggtg aagttgttga t 271

<210> 46679
<211> 270
<212> DNA
<213> Glycine max
<223> Clone ID: 701039283H1
<400> 46679

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ttgaacttgc acttggttta ttggttttgg ctctgtttct gcacttgogt cccacacca 120

ctgcaaaatc aaaagcactt gccatctccc aaaccaccca agcccaaagc ctcgtctccc 180
 cttcatagga caccttcata tcttaaaaga caaacttctc cactacgcac tcacgcacct 240
 ctccaaaaaa catggtcctt tattctctct 270

<210> 46680
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039284H1
 <400> 46680

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 gaaagaggag caatggaata cactattgta gtagctgaaa cagcggattc tccagctaca 120
 ttacaatacc tcgcccctta acaggagcag ctctggctga atattttatg taccgtgaac 180
 gtcacacttt aatcatttat gacgatctct ccaacaagc acaggcttat cgccaaatgt 240
 ctcttctatt acgaagacca cctggtcgcg a 271

<210> 46681
 <211> 270
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039285H1
 <400> 46681

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 ttgggtaatc cgatgaatga tgatgattca tgatttgcac agtgattgtg gaagctcaac 120
 agagggattg gtactgtagt agggctagga gtccctgaaa tgtatatgcc tgtggctacc 180
 tctgccacgc tgcgcggcgg attgcctact gacagtgggg actctgttgt ggcattagac 240
 caagttcctc gatggaatga tgctgatcag 270

<210> 46682
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039286H1

<400> 46682

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aatgggcgctc ttcagcgaaa acccgaatcc ggacccgggt gtgatccgcc aggtttgggc 120
ttcaaattctc gaatccgaat ccaactcatc cgcgaaactca tcgaccacta tccttttatac 180
tcgatggaca cagaattccc cgggtgttggt ttccgaccac acctggaccc cacaaaaccc 240
tacaaccacc gcaacaacaa tcgcaaccgc ca 272

<210> 46683

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039287H1

<400> 46683

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gcataatacg ttaagcttca agtaactcgg ctgcagcagc tggtttacgt aatgcattca 120
gtctctctga gaaacaagct aagctcttct ggacattagc ctaagaagac tgtcccttcg 180
tgagagtggg aactttgtgg ctgaaagtaa atctttgatg gaacaaattt ccaagttaga 240
ggaactgttg tccagcagga aaaatata 268

<210> 46684

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701039257H1

<400> 46684

attccaattc tcaacactca aactaactgc aacttgcatt ccctagagaa cacacctctg 60
ttgccttcct tcaacttcagt tagctgagtg tggttggaag cactttcctt ctcctttggg 120
tagttatgtc atcagcacct atgccgacaa caacaagggt caaaacaaag gcctttttatc 180
ttcttcttct tcttcttctt ctgtgaggat agaggaagag atcatgaagc agggcatcat 240
aaccattttg aactcaaaca caaacacaaa caca 274

<210> 46685
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039222H1

 <400> 46685

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 accgtttgct tgcttcgtgt atgtacattc tctccggagg caccgtcgtg agctcttctc 120
 tctggttaggt ccgtgttgct gaaacctttt gacctttcca ataaagcatt tgtttcaccc 180
 tatcaatgag aggaaccatt ggaataagga ttccaaaccc caatatttcc aatgccacca 240
 gaaaaaccct agttccattt tctacatctt ccggttttgg 280

<210> 46686
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039223H1

 <400> 46686

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 tcagtgtctc tctcagttga gtgccttact tttaacgcag gtacaaagaa ggaagaagca 120
 cgcgtggggg tgtgggtgaa tatatggcga aagagtacca gtaggagagt tgttggtgtt 180
 ggtgttatta ttgttggcac caaagacaaa ggcaatgagc ataacaagag gtcataataa 240
 aagcaggggc aaagagtcct ctggttctag tgatgagggg 280

<210> 46687
 <211> 274
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701039226H1

 <400> 46687

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 tttcagagtc atgagcctga gtttgatatc ttaagagttt ggaaatagaa gagaaaatta 180

acaaaatcaa atggtgccaa acagccaatg gtgctttgtt ccttctatcc acaaatgata 240
acaccatcaa attttggaag gttcaagaaa agaa 274

<210> 46688
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039227H1

<400> 46688

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tcttttccat tcttgcttcc tttgtgggtg tctgagtttt ctttcttca atttaattga 180
aagatggctt gcttggtatc tcgctcagga agggaattgc agaggtacaa caacatgggt 240
ggccggcaag ttgttgggtg agttcggtcg ctatt 275

<210> 46689
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039228H1

<400> 46689

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tctacgccgc acgccgaaac catggccgga aaaggagagg gtcctgctat cggaatcgat 120
ctcggaaacca cctactcttg cgctgtgtgt ggcaacatga ccgcgttgaa atcatcgcca 180
acgaccaagg gaacagaacc acgccgtctt acgtcggatt cactgacacc gagcgtctca 240
tcggtgatgc ggccaagaat caagtcgcca tgaac 275

<210> 46690
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039229H1

<400> 46690

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 ccctgggtcca tggaagttac ctatcatggt aaccttcac aggtagcact agcagcttca 180
 cttccacatc atgctctcca aaaacttgcc cgtaaataatg gacctctcat gcacctccaa 240
 cttggtgaaa tttcaacact ggttgtgtcc tcccc 276

<210> 46691
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039230H1

<400> 46691

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 cgagtccggg aaccgcacgt gcccggtcac caaaacggag ttgacaacct tcgacatgat 120
 cccgaaccac gccatccgta ggatgatcca ggactgggtgc gtggagcacc gttcccacgg 180
 catcgaacgg atccccactc ctcttatccc cgtcaccocg tacgaggttg ctgacacgtg 240
 tacgaggatc ttgtcggcgg cgcaacacgg ggacgaga 278

<210> 46692
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039234H1

<400> 46692

gaaacgacgg agactaaatc tctaaaacgc ttgaaaccct aaaactctgt gtcctccgcc 60
 gttcacatca ttgtcgacgt tcgttcagtt gtcacactc tcaacagaga agagaagaga 120
 gatgagagga aggagctata gtccatccct cctcctccac gttacagcag aagaggagga 180
 gggaggagtc ccagccctag gggccgctat cctccccgtc cccgacaaca agatctccct 240
 accagccttc ttgttcg 257

<210> 46693
 <211> 275

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039236H1
 <400> 46693
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 tcactaggta gcaatgccaa ttctgcagtt atgtccaaat atccattccg ttctctcaaat 120
 cgtagcgtgc acccgcaacg acaaaacgga tcgaaatccg ttctggggag acccaaggtg 180
 agccctcaac tgaaccgttg gtccagagcc cgagccgtac ggttcgggtca gaaattggac 240
 cggtccagta tgcgaactca gctaccggaa cccaa 275

<210> 46694
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039237H1
 <400> 46694
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 ccgtacaaag caaactgctc gtaagtcaac tggaggaaaa gctcccagga agcagcttgc 120
 aaccaaggct gcacgtaagt ctgcaccaca actggtgggtg tgaagaagcc tcacgttat 180
 cgccctggaa ctgttgctct tcgtgagatt aggaaatacc agaagagcac tgagctccta 240
 atcaggaagc ttctaccca gaggttggtt cgtgaaatt 279

<210> 46695
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039238H1
 <400> 46695
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 gtcgtcgcgg ttcaaacttg aaaataagtt aaggatcttc agcagcagaa acaatggatg 120
 aagataaaac ccaacaactt cccagaaaat gaccaggtct tcagcttcat cgtctccatc 180
 cacttcaaat aacatagttg cagcaaaagt aactagcctt gaacctctaa caatcaatga 240

ccttttagtt gggggagatc catcagccta gatga

275

<210> 46696
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039239H1

<400> 46696

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tcttcagcga aaacccgaat ccggacccgg ttgtgatccg ccaggtttgg gcttcaaata 120
tcgaatccga attccaactc atccgcgact catcgaccac tatcctttta tctcgatgga 180
cacagaattc cccggtgttg ttttccgacc acacctggac cccacaaaac cctacaacca 240
ccgcaacaac aatcgcaacc gccactccga ccacta 276

<210> 46697
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039240H1

<400> 46697

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gatcacattg atgaaccgga ccaatgcaac cctctctccc catttctatg ataaagtgtg 120
ccctcaggca ttgccagtta taaagtagtg gttcaacgag caattatccg tgagcgacgc 180
atcggagcat ctcttctgcg cttgcatttc catgattgtc tcgtaaattg gtgtgatgga 240
tcaatattgc tagatgacac ccgaaacttc actggcga 278

<210> 46698
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701039241H1

<400> 46698

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tgtggcagag gaaaggtttg gcttgacccc aatgaagtca acgaaatctc catggccaat 120
 tctcgccaaa acataaggaa gctggttaagg atggggtttat catcaggaag cccaccaaga 180
 ttcactctcg ctacgtgct cgtcgaaatga aggaagccaa gaggaagga cgtcactctg 240
 gatacggtaa gcgtaagggt acaaggagg caaggct 277

<210> 46699
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039242H1

<400> 46699

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 atccttcgtc tcgtccacgc cctgcccgtc ggactcatgg cgcctctgca cccaggccaa 120
 cgccactccc ttctgacct tcgtgctgag cgtgtcggcg cctccgtgta tgtggctttc 180
 tccggcgctcc atatggccgg cgagtccgac ccgaactgga gaaatttgac tcctttgtac 240
 agcatcgcg gcctgcctct gttttcgtct cgg 273

<210> 46700
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039246H1

<400> 46700

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 ctatcaatat aatcaagtca cctatagttc cttaattaat agacttgaga atgcacaaca 120
 ggttttgatc atctattttc ttattaccta ttttctttca attttagtgg tg 172

<210> 46701
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039247H1

<400> 46701

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 tctattgttg gggttgggag ttcttaactg cccttcttct cttctctcat caaccttatt 120
 gatcattctc ttcttctctc tctcttcaaa aaccaatttc tttttataca aataaagaag 180
 ataccaaaga aaaacatagc aaaaaaatac aaataaaaaa atggaaggac caagcaataa 240
 ggggttggtg gaatgtggaa ggaagtgcac tccac 275

<210> 46702
 <211> 186
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039248H1

<400> 46702

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 acatctgaag gtggtcgccc cgtatttgct cgccgtcctc ggtggcaaca acagcccctc 120
 cgccgatgtc atcaaggaaa tccttggtcc gttggagtag aagcagatga agataggatt 180
 gaatcg 186

<210> 46703
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039249H1

<400> 46703

tcaaaaccag agtgggttcta gtaatccggt gctgctagag gatggggaact agtgaatggc 60
 atatcgagcg aagatctagc ttcggcactg aatccccctt agcaagagag gcaggaaatg 120
 tgcctgaaac tgggtcactc tctatgttgt gcttggcgct tctggggatc ttgctaagaa 180
 gaagacattt cctgcacttt tccatctata ccggcaggga ttcttaccag cagatgaagt 240
 tcacattttt ggctatgcaa ggacaaaaat atct 274

<210> 46704
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039250H1

<400> 46704

cgcaaaagag gaaaaggagc atccaactac gaagaggccc agtcaagga tgagactgtg 60
aaagtggtag tggtcgagaa ggccctcaaa aaggttaaaa gccttccaaa gccagttctg 120
aatcacgaac acatcctcaa gaagaactct cttttggggg aaacaattta cctccactt 180
tttgagtag taagcctcag caggaggatg ttgccgtgga cgcagaggaa gctcaagttt 240
aaaccttcac atattaacac ttgcacttca cgtgact 277

<210> 46705

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039252H1

<400> 46705

ggggaacacg gagaagctga tgaaccagat catggaattg aagttcacgt cgaaatcgct 60
gcagcggcaa tcgcgtaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
ggcgattgag aaaggcaaca tggacgagcg cggatctacg cggagaacgc gatccgtaag 180
cgcacggagc agatgaacta cctccggctt gcctcgcgcc tggacgccgt cgtggctcgc 240
ctcgacacgc aggcgaagat gacgacgatc agcaagt 277

<210> 46706

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039253H1

<400> 46706

tgagggcttg tggtggattg gccccagaga ataacatgat tctcgagtac aagtgacgca 60
tgggatagaa taataatatt gttggggtag cctatccgaa tggtttatgt taataatatg 120
tttgcttatg attttgcaag tgtaattgat tgcattcttc attaatgctt tagagcagga 180
catattctgt tttctaggga catgaatgaa tgtagtataa ttttgtgtaa aaaaaaaaaa 240
aaaaaaaaa aaaagggggg gcccc 265

<210> 46707
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701039255H1

<400> 46707

gttaaggatg ttcctaacaa tttgttgagg cacattacct tggacaacaa tgagaacaaa 60
cctgtcacta acagtaggga tacacaagag gttatgttgg agcctgggct gaaattaatt 120
aaaattttca aggaatatac cagcagacat gcatttttga tgattttggc ttctatgagg 180
ctcgtcagaa aactattttg gagaagaaag caaagcaaca attcccaaag caggtatggg 240
aagggaaacc tgctgatgag aagattgaga taa 273

<210> 46708
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701039221H1

<400> 46708

caacctcttc tttctcttct tcttctctt cttagcctcc gccgccgcca gcgtccccgc 60
ccacaacatc acccgcatgc ttgccaaaca ccccggttc tccaccttca accactacct 120
ctccctcacc cacctcgccg aagagatcaa cgcgccaga ccatcacgt cctggccctc 180
gacaatgccg ccatgtctc cctctcgac aagcacctct cctccccac catcaaaaac 240
gtcctctccc tccacgtcct cgtcgactac ttcggcgcca aaa 283

<210> 46709
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701039175H1

<400> 46709

ctagtctcta atttgcgttt tgattcattg attccttcat ttccttgctg agagtgcgtg 60
tgatttctct cgtctccttt agaattccga ttggtatttc taacactgtg aaagacagag 120

agatatggca ggaggtggtg gagctccagc acctaagatc gatgagccac agccacatcc 180
 accgaaggat cagctaccga atgtttctta ctgcattacg agtcctcctc catggcctga 240
 ggccatactt cttggttttc a 261

<210> 46710
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039176H1
 <400> 46710

gggttttaac aatggttctg taccagcctc agcacaagct actttcccat atttatttgc 60
 agtcagtaag ttcttgacagg caggaacttt tgaccttggt ggcactatta tatacgagat 120
 agatgacat ccatatcata tttccttttg taatggcact gttgaggttg tgaatctggt 180
 gctttcttag catggaatcc gtttttctt tactttgggg ttgatcctgt ctctggggta 240
 ggatct 246

<210> 46711
 <211> 257
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039177H1
 <400> 46711

gaatcatggt gctgcagggc ttcacagagg gaggaaaact aagaaagatg agtcccagat 60
 ggcgtcatca tggaaattca tgcgtccatt caagccatca acagtaggac tttccatgga 120
 tttattattt aggagcaaataaatcaatcag tttcttttga ttttggcatc ctagaatgag 180
 gatagtgatg atttaggcct tgatacatct tttttgcatt tcgcaatggt tntcatttat 240
 tttttttcgt gtcagtt 257

<210> 46712
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039178H1

<400> 46712

tgatgacttg cccaagactg ttgtgatgac tctcaaccaa ggttcaattg tcaaaagcat 60
 ggatttccat gccactgcag caaattctac ttcttggttg aacaaacatg ggcgatgtca 120
 tgggtgtggga tataggcagc cgtgaaagga tcgcacaaaag aaattttaaa gtctgggaac 180
 ttggagcatg ctctgtggcg ttacaagcat ctctttccaa tgattactca gcatcaatca 240
 atcgggtggt gt 252

<210> 46713

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039179H1

<400> 46713

ccaaagaaaa ggtgttggtg tggagtagga atttgacaga ctccaattcg aaggaataga 60
 ggtgataggg tttgtgattc tgatatagcg atgagtgaga gtcacgggaa cagcaggagg 120
 cgaaatgttg aagatcaaga tctgggactg tacttcttgg aggcgtgcag gggtagggag 180
 atgacagaca aagaggaaga ggcagaagaa gaagaggagg aggaggcacc agggagctca 240
 acaccattaa cagctctgg 259

<210> 46714

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701039181H1

<400> 46714

gaaatgcaca gtaactaaac atgtctgctt cttctaattgc caatgggccca tttgagcatc 60
 ctagcttgca tgtaaatgca attgggtttac acaggaactg tgaattagac acagccccag 120
 tttcatgggg ggatgttgct tgtgataatg atgcttttga aaaaaatgaa tctgcttcta 180
 tatctagaga acatactggt ttgagcagca aactggact acgatcccat tccaactcta 240
 acttaaggac tactatttcc tctgacatt 270

0953113.032200

<210> 46715
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039182H1

<400> 46715

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tcagaaaatg ttgtgaatga gagatgtgta ttgctagcag tttgactgca cagttgaatt 120
agtatgctac taaggggatt ctgctggatg tcaaagatg ttttaagattt gatatacagt 180
aaaaagaaat tggagactat ggaagaacta cagtctcaat cagataatta tagatcttcg 240
tcacgctcgg cacgcagccc ggc 263

<210> 46716
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701039185H1

<400> 46716

ctttgttctc tctgtctaag aagaagaaga agaagaagaa gaagacgaat caaatatcct 60
tgagccagac atgtacagga acgctgcttc acgtcttagg gtcacagtg cccgttcgtg 120
cagcagcagc aggatacctg ccagtgccag atttgcaagt tccgttgcca cacaacaatc 180
ctcttctggt ttgggtggtt tatttgatg gctcactgga gaccgatcca gttctttacc 240
atctctggat ttcccgttc cgggcg 266

<210> 46717
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039186H1

<400> 46717

caagaagcga aactaaagtc agcattcgaa aaagatgagt agcatcggta caggttacga 60
tctatcggtc accactttct cccctgatgg ccgcgttttc cagatcgagt atgccgctaa 120

agccgtcgac aacagcggga ctgttattgg gatcaagtgc aaagatgggg ttgtgttggg 180
 cgttgagaag cttattccgt cgaaaatgat gtttccgggt tccaatagaa gaatacactc 240
 cgttcatcgt cactctggga tgg 263

<210> 46718
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039188H1

<400> 46718

gaggtagatt ttgatgacca tctcgatgac ataagcaagg attgggtaaa cccagggctt 60
 ttcaactgat cccagccctt ttgtctccat ttttgcccta tttactttgc aagtggagga 120
 tattgaggct tattatgggtg catatgctgg attctcaatg atgaacattt agggactata 180
 ttttgaccct aggaaagttg cttcatgaag ctttttcagt tgtataagca ggatatttac 240
 caccagtccg taaaggattt tggttg 266

<210> 46719
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039189H1

<400> 46719

gcctcgaaca cggcattcag cctgatgggc agatgccaag tgataagact gttggtggag 60
 gtgatgatgc tttcaacacc ttcttcagt aaactggggc tggaaagcac gtgcctcgtg 120
 cgatttttgt agatctcgag cctactgtga ttgatgaagt taggactggg acataccgcc 180
 aactatttca tcttgagcag ctcattagcg gaaaggagga tgctgcaaac aactttgccc 240
 gtggccacta taccattgga a 261

<210> 46720
 <211> 74
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039193H1

<400> 46720

ggagtttttg ggtgttgagg tgaaaagtgg ataatctcgt catctctcgg atcaaccttg 60
agagattctc cact 74

<210> 46721

<211> 177

<212> DNA

<213> Glycine max

<223> Clone ID: 701039196H1

<400> 46721

cgccgcctcc ggcgactcca aggtcttcta cctcaagatg cagggagact accacaggta 60
cctcgctgag ttcaagaccg ggcgcgaccg caaggcagcc gccgagagca cgctctccgc 120
ctacaaagcc gctcaggaca ttgctaacac cgagctgcct ccaactcacc ctatcag 177

<210> 46722

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 701039203H1

<400> 46722

gtttctactc tcacaactgt ttatattctg cctcttctca actgtgttcg tgtgtatgca 60
tttgagttga aagccagact caaggagctg aa 92

<210> 46723

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701039206H1

<400> 46723

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tagtcaaaag agtcatgaga cacgtaagac aatcaaattg tttaagaagt tttttgagat 120
tttgatggc ttgactgttg aacagataaa taaccagaaa gacagtggca ttgtccagct 180
tgccaaggtg gtcctggagc tattgattgg tacagaggac tgcagccctt ggtgacacat 240

282

<400> 46724

cctgatacca aagttctaca ggctatgcaa ctgatga 277

<400> 46725

ctgttcaagg gaaaaggcac agaaagtgac aaattggtgc 280

<400> 46726

ctccttttct cttctctgtc taatcgggtgc cctgagatca cattgaacaa tgggtgaaggc 60

002229"032200

tgtggccggt cttggcagca gtgaggggtgt cactggaact attcacttcg ttcaggagg 120
aagtggcca accaccgtaa ctggatcctt gctgggtctta agcctgggtct ccatgggttc 180
catgtccatg ccttggggga cactaccaat ggttgctct caactggatc acatttcaat 240
cctaataaca aggagcatgg tgcccctgac gatgagaa 278

<210> 46727
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039213H1

<400> 46727

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ctgagatcaa gccatcagtt gaagtagtcg tatgtgcttc catgaacaat aataatagcg 120
caaacaacca caccctccca accgacatac caagccatca caattaccaa tcttgaccag 180
gctccatgct ggttactttt tcatatgcct ttcctttgga gcacaagctt tgctctggaa 240
gagtttgagt aaacacaaca aggactcaca aagtctct 278

<210> 46728
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701039215H1

<400> 46728

caaaattcag gaaaaaaaaa aaaaaacatg ggggtaaagg tgtatgggtcc aacccatgga 60
tcccaaaga gggccttggg gtgtctgatt gagaaggaaa ttgagtttga aacagtgcag 120
gttgatctct tcagggggga gaataaggac ctgagtcctt aaagctgcag ccattgggac 180
cccttcggt tattaaagag ggggattata ctctctatga atcccgggca ataatacagat 240
acttagctga gaagtataaa gcccagggga ctgacttt 278

<210> 46729
<211> 143
<212> DNA
<213> Glycine max

<223> Clone ID: 701039217H1

<400> 46729

caacaatggc ttctgtgcct caaccaaaaa tctcccttct aaccttattc ttcttctcgt 60
ccttcaccat cattgcgcac gcaattgttc ctcagaacga aaccttataa tttgagaact 120
caggtgaact tggaccctac atc 143

<210> 46730

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701039218H1

<400> 46730

gaacgagtgg gtgatttgca ggggtgttca gaagagttca gctgggaaga aaactcatat 60
ctcggggata atgaggttgg actcttttgc taatgaattg ggttcttctg ctctgccacc 120
cctttcagat tcttcgcctt ctattggcac actaaacctc tgaatgattc ggcttacgtg 180
ccctgcttct ccaatccaat tgatgttcaa agaaaccaag aaggtgtctt cgattccgtc 240
accaactcta tgtatgcggg ttcttcaaat cctatgga 278

<210> 46731

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039219H1

<400> 46731

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gatcttcagc aagttcgaca agaacggcga cggcaagatc tcgtgcgccg agctgaagga 120
gatgatggtg gcgctgggat ccaaaacgag tcgcaggagg tgaagcgcat gatggcggag 180
cttgatcgga acggcgacgg ctacattgac ctgaaggagt tcggcgagtt ccattgcggc 240
ggcggcgacg ggagggagct ccgggaggcg ttcgagctgt 280

<210> 46732

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701039220H1

<400> 46732

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acggtaagta tggcgggacaa ggctgttaca atccgaaccc gaaagtcat gaccaacagg 120
cttctttcca ggaagcagtt tgtcgttgag ttcttcatcc agggagggca aatgtttcca 180
aggctgaact taaggagaag ctagctagga tgtatgatgt gaaagaccct aatactgtat 240
ttgtcttcaa attccgaaca cattttggag gtggcaa 277

<210> 46733

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039174H1

<400> 46733

ggagacatca gctcttccaa ggagggggat atagttaa at caaaagatct cgagagcgga 60
agtagttctg cagacaatgt cgaagcagga actgcagttt ttctcgtgga gcttgaggaa 120
aaaagagcta ttaaggtttt tgggaagagc actttgattg gattggctct aacattcttt 180
gctggacttt gcttctctat gttctcacca gcattcaaca tagcaacaaa tgaccaatgg 240
aatactttga aaaaaggggt t 261

<210> 46734

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039145H1

<400> 46734

caaagaggaa gaagacacag aaggagaggt tcaacatctt cttcatctat ggcgacgccg 60
gattctgacg ctaccactca gcttcaagat tccgacactg ctcccaattc cagtccctccc 120
aacgccctcg tccccgccgc tcccgccgtt tgctctcttc gcttcgccac cgactccgcc 180
ggcggcgctc tcatgggctc cgtctttgga tacggtgctg gattgtttaa gaagaaaggt 240

tttaaaggat cctttgtaga agcag

265

<210> 46735
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701039146H1

<400> 46735

cacaagtctt ccttcccact tgcaccctct ctctctcgcc ggtcgccgaa tctttctccg 60

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ggacctggcg tggacatgcc gatcatgcac gatagcgacc gctacgattt cgttcgcgat 180

atcggctccg ggaatttcgg cgtcgcaagg cttatgaggc gataaccgac gcaagagctt 240

gttgctcgta agtatattg 259

<210> 46736
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039147H1

<400> 46736

cctgaatcaa agagcttttag tgagcaaggt ttgggaccaa ttccatcaaa gtggagagga 60

atctgtgata acggaattga tcatactttt cactgcaaca ggaagctaata aggggcaagg 120

tacttcaaca agggctacgc ctcaagtgtc ggcccactga actcctcctt tgactcgcca 180

cgtgacaacg agggccacgg gacccacacc ctatccacag ctggcgaggaa catggtcgca 240

cgtgtcagcc tcttccgcca ag 262

<210> 46737
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039149H1

<400> 46737

gtgagtgtt tctttctgta actaaccaca atcatcaact cagtcagcga atgaatctgt 60

ggacggacga gaactcctcg gtgatggagg ccttcatgcc atcctccgat ctctcctcca 120
 tctggccccc tcccgctcct ccgcagccgc aatccacggc ggtcttcaat caggacaccc 180
 tccagcaccg cctccaggcc ttaatcgagg gcgcccgaga gacctggacc tacgccatct 240
 tctggcagtc ctcttacgac tattccggct ccactc 276

<210> 46738
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039150H1

<400> 46738

aaagagtttt ccaagtttat ggttgtgttg tgactgcaca agacatggtt gaaccagag 60
 atcccgtgaa agtgtttgac aaagcagact actatgcaca tcttgagcat tacaatcca 120
 ctttccatga aaaaatagca ccatatgcat ctgttattgt caattgcatg tattgggaga 180
 agagatttcc tcaattgctg agctataagc agatgcaaga cttaatgggc cgggggagcc 240
 cccgtgttgg aatagctgac ataacgtgtg a 271

<210> 46739
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039151H1

<400> 46739

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 ctctgtttta ttgcagatt aatggtgtaa tttttgttca tgatctttca caaagaagaa 120
 caaagactag cttgcagaag tgggcagctg agattgctgc aactgggaca ttttcagctc 180
 ctttgggatc tgggtggtcct ggtggccttc ctgttccata tatttttatt ggtaataaag 240
 ctgatattgc tgcgaaagag ggtacaagag g 271

<210> 46740
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039152H1

<400> 46740

ctcgagccgc tccagaacag caagggagaa tcaattcctc atcgctgcaa ttctcatctt 60
 tcactctcta gattctcacc tatctctctc tctctctaaa gttcaaagtt tttgttggtt 120
 tccccccgag tctttctctc tcttgctgtg gacttggtga atgctggggt cagagacttc 180
 tgagacatgt tctagcagac ttttggtgaa ttgggtcact ggtttctgtc ataggtggta 240
 gagaatctga gtcctcagag atctaagc 268

<210> 46741

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701039154H1

<400> 46741

ctctgaccc tgaacatcaa tgggcctagt gcagcatgaa ggcggtcctt gtggcgattt 60
 ggcagctatt caagcatttg tgcttaaata cattattttc ttcagtgatg agttgaaaga 120
 tgtgtcatgc atgtcacaga agggtcggg tgcagcattt aaaagtcagt ctgttccatc 180
 aaataatttt tcttcgtca ctgaagggtga aaaagtaaga gctcttgtaa aaagtatggg 240
 tgaaatttta ttttcatgtg gaagtaa 267

<210> 46742

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039156H1

<400> 46742

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 gaaaagggtc acatcagtat tgtggtcatt ggccatgtcg actctgggaa atccactacc 120
 aactggtcac ctgatttaca agcttgagg cattgacaag cgtgttattg agagggttga 180
 gaaggaagct gctgagatga acaagaggtc tttcaagtat gcctgggtgc tggacagact 240
 taaggctgag cgtgaaaga 259

<210> 46743
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039157H1

<400> 46743

ccctcgagcc gaatcggctc gagcacaaag cgggatactg tctgcaccag ctaccatctc 60
 tccctctctt tcttagtgcc tacctgccag aagtcaaaat cgcccaagaa actgtcctat 120
 tcacatctgc atcagtgaac gaggggcacc ctgacaatct ctttgaccag atctccgatg 180
 ctgtgctcga tgcattgctt gagcaggacc ctgacagcaa gggtgctgt gaaacctgca 240
 ccaagaccaa catggtg 257

<210> 46744
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039158H1

<400> 46744

cgccgccgctc gtcgaggacg tcaagaaaaa ccccgacgcc gccgtctccg gcaccgtcat 60
 ccgccgccgc cttcagctca tgatgtacaa caacatgtac cgcataatgt tcgaccggag 120
 gttcgagagc gaggaggatc ccatcttcca gaggctaaga gccttgaacg gagagaggag 180
 tcgcttggcg cagagctttg agtataacta tgggtatttt attcccatct tgagacgctt 240
 cttgaagggt tacttgaaga 260

<210> 46745
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039159H1

<400> 46745

cctcgagccg ctcgagccga atcggctcga gggtgggtcg ttcccagcaa ttgttagtat 60
 gctgcaaggc ccagttcta gtggcactga tatgaaacac cagtcttcct tgaatcatgt 120

gcaaaatgca gtagatttct gtttgcaga ttatagggga tcttctggtg agactgcatg 180
 ttacgtggt actggtcata atgttcagag cttcagtggc tggaatactg gtgaatctag 240
 ttcaagactc aatctgatca ac 262

<210> 46746
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039160H1
 <400> 46746

gtgtcattta cgcttctctt ctctgcagca actatgccta accctaaggt cttcttcgac 60
 atgaccatcg gcgggtcaatc tgctggcgc atcgtgatgg agctctacgc cgacgtcact 120
 ccccgccaccg ccgagaactt ccgcgcgctt tgcaccggcg agaagggcgt agggcgaggc 180
 ggcaagcccc tccactacaa gggctcgtcc ttccaccgcg tgatcccgag tttcatgtgt 240
 cagggtggcg acttcaccgc cg 262

<210> 46747
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701039161H1
 <400> 46747

ctaacctccc actgaagagt aattggtgga ttccagcaat ggccgtgggt catggcagtt 60
 ggggtcaagct tgatcaaaga ggagaagggc aaggagcgag aagctcacat gctatagcca 120
 tagtagcaca gaaggtgtat gcatttggtg gcgaattcgt gccacgtgtc nccgttgata 180
 acaaacttca cgtgttcgac ctagagactt tgacctgggt cgtggctgat gcatcagggg 240
 atgccccanc gccacgtgtc ggtgtcaciaa tggc 274

<210> 46748
 <211> 258
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039162H1

<400> 46748

tcgagccaca ctgagaggaa gagggagtga gagtgttctt cgtttgctac cttctctcac 60
 aaatgggttac gttcaggttt caccagtacc aggtggtcgg gagggctctc ccaacggaag 120
 cagatcagca tccgaagatc taccgaatga agctctgggc caccaacgag gttcgcgcca 180
 agtctaagtt ctggtatctt ttgaggaagc tgaagaaggt aaagaagagc aatgggtcaag 240
 ttcttgctat caacgaga 258

<210> 46749

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 701039164H1

<400> 46749

gcactgagca gttgaggaaa tgggaacctt gggagagcga tctacagcgt tggtaactgg 60
 attcgagaaa ctggacaggc cattgatcgt ctcggttccc gtcttcaggg cggttactac 120
 ttccaagagc agctctctag gcatcgaact ctgatgaaca tatttgataa ggctcctggt 180
 gttgataagg atgtatttgt tgcgccaaagc gcctccgtca ttggagacgt tcaacttgga 240
 agaggatcat ccatttggtg tgg 263

<210> 46750

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039166H1

<400> 46750

tgaagatgag ctttttcacc catccaaacc ttccaagaaa aacaacaaca tcaacaaaaa 60
 gcatgggggc aacaccaata acgatgataa cagcaaggat tccaaggctg ctggcgacaa 120
 gagattcaaa acgctgcccc cagcagagtc tcttcctagg aatgaaacca ttggaggcta 180
 catctttgtt tgcaacaatg ataccatggc tgagaatctc aagagacaac tctttggtct 240
 gcctccacga tacagagatt ctgttcggg 269

<210> 46751
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039167H1

<400> 46751

atgaccacta cagttgctgc cctgcagact atcccatctg caacacttac gctggaactt 60
 gtctcaggag caagaacaac ccctttggag tgaaggcatt aaggcgact ccagcgaaac 120
 cccattggac cttcggacgt aagaacaagg tcagcagtgc ttaagcagtt taaggaaatg 180
 tgaacgtgca gaaggagcca atgatgaagt aaaaggaag acgaaggact caagcaccag 240
 ctggatgcac ttcccccttc ttcacataat g 271

<210> 46752
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039168H1

<400> 46752

atctcggctc gaggggcaga tccgcgccga tgggtgtgagc gaaaacgtta ttggggcaga 60
 aataaaaaac catagaatag atagagttat tactccctat aacatgtggc agtgatttgg 120
 agatggcaga cttaccaggg tatcttcatg cctgtttgaa cacagggaag cttgcctcct 180
 tggcaatttt ggtgtctgga ggaatcgtct tgcaaatttt ggcattgtgcc ttgtataata 240
 actggtggcc gatgctgagt gtgtta 266

<210> 46753
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039169H1

<400> 46753

tgccatttca atccccagtt tcttcttcaa cgtcctctta cgagcagatc ccaattctcc 60
 ttcccagttt caaacctaa ttccctcatt cccatggcct cagaagagcc cactgtcgcg 120
 gtggaaccgg ctcccgaacc tgccaccgcc gagcctcccc cggaggagaa ggaggagccc 180

aaacctgaag ccaaggctaa gaaaaccaag gaacccaaac ctaaaaaggt ttccagacca 240
cgcaaccctc ccactcatcc ttcctacgag 270

<210> 46754
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701039170H1

<400> 46754

cctcgagccg aatcggtcg agtgaaaatg ggttcttctt tgtggccttt gtgtctaatt 60
tcgggttcac tagcctcttc accattctgt gcctttccac ggaggccagt ggatgttcca 120
ttcggcagaa actacgttcc cacttgggct tttgatcaca tcaaatactt caatggaggt 180
tctgagattc aacttcatct tgacaagtac actggtactg gcttccagtc caaaggggtca 240
tacttgtttg gtcacttcag catgaac 267

<210> 46755
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039171H1

<400> 46755

atctgtcctc atacctaact cctatgtttg gtaaagacaa aacctcagag gaaaggagaa 60
ttgccatttg tatatttgat gatgttgctg agcatggctg tgaagctgct cttaaattatt 120
atgattctct tcttccattc ttacttgaag cttgcaatga tgaatatcca gatgttcgac 180
aggctgctgt ttatgggtgtt ggtgtttgtg ctgagtttgg tggatctggt ttcaaaccce 240
ttgttgagga ggcactttca aggtt 265

<210> 46756
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701039173H1

<400> 46756

tcagacttag tatttctaag aattatgtgt ttgttaaagg cttctatgac agcctcactg 60
 cttcaaaaata gattcatgta tgtgagactc agaatctctg gggaaaattg tgtgtggtgt 120
 ggactacttg ttttgtttgt cattgagcta tatcgctgtt aattaggatt ttgtttcaaa 180
 atgatgctta taagttgtaa tctaggattt ctcccattga aatcctaggt tgttcttgac 240
 atttgctatt tcaaagaata aatat 265

<210> 46757
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039144H1

<400> 46757

atggaatttc gatgetcagt catctctttt accattctct tctctcttgc tcttgcagga 60
 gagagccatg tccatgcacg gctacctgag gaagattatt gggaagctgt ttggccaaac 120
 actcccattc ccactgcact gcgagagctt ctaaagccac tccctgcagg tgttgaaatc 180
 gatgaactcc ctaagcaaatt tgatgataca cagtacccaa aaacattctt ctataaagaa 240
 gaccttcatc caggcaaaac 260

<210> 46758
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039117H1

<400> 46758

ggaaatgttg cagccttcat atctgaagcc atacaggag tggtgggttat cattgaattg 60
 gctcctgggtt acttgccagt tgtgtacaat gccattaaaa aagcaggagg actttttatt 120
 gctgatgagg ttcaggctgg ctttggtcgc actggtagcc atttctgggg atttgaggcc 180
 cacaaatccg ttcctgacat agtcacaata gctaagggca ttggaaatgg cattcccctt 240
 ggtgctgttg taactactcc agagattgca gaggtctta 279

<210> 46759
 <211> 280

<212> DNA
<213> Glycine max

<223> Clone ID: 701039118H1

<400> 46759

ctcgagcgaa tcggctcgag cagaagacag agtgagacgc tactcacgat ggaggggaaca 60
gtatcctacg cgcgcatgcc tcgggtcaaa atccgcgagc tgaaggacga ctacgccaaag 120
ttcgagctcc gcgacaccga cgcgagcatc gccaacgcgc tgcggcgcggt gatcgatcgc 180
ggaggtgccg acggtcgcca tcgacctcgt ggagatcgag gtcaactcct cgggtgctcaa 240
tgacgagttt atcgctcaca ggctgggcct catccccctc 280

<210> 46760
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701039120H1

<400> 46760

gttaagtgt ccaagttaat aggtctttat atttagttgt tgacatcaac aaagtcatgg 60
aggaagttaa tgtggttcaa accaagaatg gaactgttgc agtagcttct gcgtttgctg 120
gacataagga agctatacag caaagggacc acaaattttt aagaattgct gttgaagaag 180
cctataaagg ggtagactgt gaagatgggg gtccctttgg tgctattata gtatgtaatg 240
atgacatagt tgctcgatgt cacaacatgg ttctg 275

<210> 46761
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039121H1

<400> 46761

gcggaaaacg ttgttgagtt cacagactta cccgtcaaga ggccaagaga agaagaagaa 60
ggaaccaatg gcgtctccaa cgacgccgtt tcagcgctcc ccaatgaccc tcaataccct 120
ggcatctctg cggttattcc cggttgggtc tccgaaatca gcccaatgtg gcccggggag 180
gcacattcct tgaagatgga aaagattttg tttcaaggga agtctgacta tcagaatgtc 240

atgggtcttcc agtcatcaac atatggcaaa gt

272

<210> 46762
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701039122H1

<400> 46762

aagtgggtgc ctaaagaaag accatctttc tcttttctgt atcaccgttg gaagagactg 60
agatgggttc aaaaaccaag actttttacct ttgaagaggt ggctaaacac aatcacagga 120
aggattgttg gattatagtc aaaggggaagg tgtatgatgt caccctattt ttggatgatc 180
atccaggagg tgatgaagtt ttagtgactg caacagagaa ggatgccacc actgattttg 240
aagatattgg ccacagtgat tcagcaacac ag 272

<210> 46763
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039124H1

<400> 46763

gcatcgagc atgtttattg cctcaagaaa ttgggacttg atcccagaaa ggtcaatgtc 60
aatggtggtg ccattgctct tggacatcct ttgggcgtta caggtgcacg ttgtgttgca 120
actttgttga atgagatgaa acgcggtggc aaggattgtc gctttggtgt aatctcaatg 180
tgcatagggt caggtatggg agctgctgct gtatttgaac ggggggactt ttaaagattt 240
gtgcaagttt agaatagttc ataaaaataa 270

<210> 46764
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039125H1

<400> 46764

ctgataccaa atatagaagc caaattgtg aaccagaaa caggggaagc catgtttccc 60

ggtgaacaag gagaactctg gatcagagga ccttatgtta tgaaaggta ttctggtgac 120
 ccaaaagcaa cttcagcaac tttggtggac ggggtggtaa ggactgggga cctctgttat 180
 tttgatagca aaggtttctt gtatgttgta gataggttga aagagttgat taaatacaag 240
 ggctaccagg ttgctccggc agagctagaa 270

<210> 46765
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039127H1

<400> 46765

taagaagaga gagaaagaca gaatgaatga ataaataatc atgcactctc tttctattct 60
 tcttctttct atcataacat aactatgata tcaacaccat ataataatta atagcaataa 120
 tttagtaata ctctcttcat tgtcaattcc atcttcactt cacttcactt ctctgttctg 180
 ttgaatattc aatcattcgc aaaacgcata ctttgctctt cattctcagc ttttttcttg 240
 cattcttaat tctccgtttt cc 262

<210> 46766
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039128H1

<400> 46766

gcgatttggc attgctcttt ctttcccttt gtcccctctg tcctcgtgcg cttcctccct 60
 gcaattcgct cttcggttcg cacctcaata cctgtctctc tcaaccaaac cttacagatc 120
 ttcttcccaa ccatcattct ttttcacgaa gcggcgtttg tattggcca atatcacatg 180
 agtcgattca ttgcatttct tctctctctt tctcctgttg atgtagtta gcacctaaga 240
 atacagact 249

<210> 46767
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039129H1

<400> 46767

cgagaggaga ggagagaaga gagaaagctt ttgggggttg aatctataga atagaagcaa 60
 accaaattga aagaagatcg atcgatcgat cgatggctct ggtcggagtt gaagtgaagc 120
 atgcgcgcgg agggcgcacc ggaggagaat tgctccgcca agcccaccaa gcagggcgag 180
 ggcctccgcc actactattc tcacaacatc cagcagcatc agtccttctt ccgtaaaaag 240
 acgcataacc tcaaccgtct tga 263

<210> 46768

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039130H1

<400> 46768

gttaaggctt tcaaaaagtc ttacttcaac aagtatgggt gtgggggctaa ttccctcgct 60
 gctgggtaca gcacaggtac tggattgggt gctgagatta ttggaacctt tgttttggtc 120
 tacactgtct tctctgccac tgaccccaag aggaatgccca gagattccca tgtgccggtt 180
 ttggctccac ttccattggg atttgctgtg ttcattgggt acttggtccac catcccagtc 240
 actggtactg gtat 254

<210> 46769

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701039133H1

<400> 46769

caatcattga agggtaattc acgagctctt gcaactgtca cagcaatcat tgacggaacc 60
 ggttctatag gggctgcagt tggaccttta ctaacagggt acatatctgc aaagagctgg 120
 agtgctgttt tcacaatgtt gatggcagca gctttaattg cagggctgct tttgaccagg 180
 ctagtcgtgt ctgaggtggc cacaagatt gaagagtcaa ggtataatag agcacaagac 240
 tgttcattca atgtataaga ataaacctaa agggtcacag 280

<210> 46770
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039134H1

<400> 46770

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 ggcactctttc atttactctt ctttggtgct tctctttctc aattaccctt tcctttccct 120
 ctcaaccaac cctgaaggga acgctctgca tgctttgaga agcaggattt ctgatcccaa 180
 caatgtgttg cagagttggg acccaacact ggtaaatccc tgtacttggt tccatgttac 240
 ttgtgactcc aacaatcatg tgattcgctt agactt 276

<210> 46771
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039135H1

<400> 46771

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 cgatcgtgct cctgttcacg gtctttgccg tttctccgc cctagacatg tcgataatct 120
 cgtacgacag cgccacgcg gacaaggccg ccacgttacc gcaccgagga ggagctgatg 180
 tccatgtacg agcagtggct cgtgaagcac gggaaggtgt acaacgcgct cggcgagaag 240
 gagaagcgct tccagatctt caaggacaac ctgcga 276

<210> 46772
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039137H1

<400> 46772

ctacaactag taacaaagat ccaacaagca gatcaatctc tctctctgtc tcccaatcaa 60
 aacagacatg ggtttgaagg aggattttga gcagtatgct gagaaagcaa agactttgcc 120

0053113.032200

accgactcaa tcaaacgaag acttgcttat cctttatgga ttgtacaagc aggccaccgt 180
tggacctgtc aacaccagcc gtccgggaat gttcaacatg agggacagag ctaaattggga 240
tgcattggaag gctgttgaag ggaaatccaa g 271

<210> 46773
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701039138H1

<400> 46773

cagaccaccc agagctccgc cgtggcgctg aagtgcctga tcgtggtgca ccacgtgatc 60
aagcgcggca gtttcatcat gagggaccag cttccgtaca gcggcggcgg caggaactac 120
cttaacctct ccaaattcag agacaagagc aaccccggtg gctgggaact ctcttcttgg 180
gtacgatggt acgctaaaca cgtggaacag cttctctggg cttccagaat tgtcgggttc 240
ttaccgacgg aaaaagagag agtttcgggt c 271

<210> 46774
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039139H1

<400> 46774

gcgcaagtga ggaacaagca agtgcttcta aaggactatg ttaccggttt tcccaaagaa 60
tccgacatga atattgtcga aagtaccata acattgaagc ttccacaagg ttccaatgat 120
gtcttgctca aaaatttgta cttgtcttgt gatccgtata tgaggaatct catgaacaag 180
cccgaaggcc ctcccaatag tcgtgcttac actcctggct ctccattaat aggatatggt 240
gtgtctaaag tcttggaatc tgggcaccca 270

<210> 46775
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701039140H1

<400> 46775

cagtgaaga gaatccgagg cgaagagaag agaaaaatta agatggaggg gaaggagcag 60
 gatgtgtcgc tgggagcgaa caagttcccc gagagacagc cgattgggac ggcggcgag 120
 agccaagacg acggcaagga ctaccaggag ccggcgccgg cgccactggg tgacccgacg 180
 gagtttacgt catggtcctt ttacagagca gggatagcag agtttgtggc cacttttctg 240
 tttctataca tcaactgtctt aaccgtcatg 270

<210> 46776

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701039141H1

<400> 46776

agacaatgtt ccttgtgatg ctggtggcag ttgtgctaata tatgatgctg atactgtaca 60
 tgaagcttcc attattcaaa agttgcctgt gcttcttcaa cccgtggctg caaatggcaa 120
 aaaagtcccc ctcggaacaaa gaaaactgat gtgtaatgat gactgtgcta agttagagcg 180
 gaaaagggtt cttgcagatg cttttgagat taccgtcca aatctggatt cactccattt 240
 tgggtgagaat tcggttgctt ctgaattgc 269

<210> 46777

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701039142H1

<400> 46777

ggggattgct tttgctcaga agcaaactgt tgctgcttaa atttccttgt cagcaggtgg 60
 tttcttgggt tatggattta tttgagcata aatactactt agaggactta ggttgcagat 120
 ttgtttagc atctttactg cttccagaac ttaggattca gactttctat gtatcaattc 180
 tacttccagt tttgttagta gaacgggagg acgcttccat ttctgttctc taaaccgagc 240
 ttaggttttg gtcagaatct tcaaa 265

<210> 46778
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039143H1

<400> 46778

ataatatggc atttaaaggc tatttcgttt tgggcctcat agctcttggt gtcgttggca 60
 cttccaaagt tacatgcgaa atagaagcag ataaagtttc acctattatt gacttttccc 120
 tcaatcggaa cagtttccct gaaggcttca tctttggggc ggcacatcc tcctaccagt 180
 tcgaaggtgc agcacaggaa ggtggtagag gaccaagtgt atgggatacc ttcaccataa 240
 atatccagat aagatcaagg atgg 264

<210> 46779
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039116H1

<400> 46779

ctgcaacttt gaacttctgt tctctattat tattatcttt ctctttttct tcctctctta 60
 tcttccttca cctttttatt gcaagaaaaa aaaaatgagc accataagca tggtagaggc 120
 aaagctgcc aaggattca ggtttcatcc aagagatgaā gagcttgtgt gtgattactt 180
 gatgaagaag gtgcaacaca atgattccct tctcttgata gatgtggacc ttaacaagtg 240
 tgagccatgg gatattcctg aaacagcatg 270

<210> 46780
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039078H1

<400> 46780

cccacgcacg cgcccttcca agccgaagcc tactgaaact ggcttctggt gtgccgttta 60
 gcttcttctt caccatattc tccttctttt ctcagattca gcagtaacta tgaatcgctg 120
 tgcattgccc aaatccattg cccagcgttt cagaggcatc caccacagcc cgcggaacca 180

gtggtgtaat aacaaccgtt gcgaaacgca ggtccaaagt gctgggcccg tggcttctct 240
cctcaagtcc cgttccg 257

<210> 46781
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039079H1

<400> 46781

aaacaaatgg ctatatattc atccatgctg aaggtggtct aaatcagcaa agaattgcga 60
tatgcaatgc agtggctgtg gcaaaaatat taaatgccac tcttattttg cctgttttga 120
agcaggacca gatttggaaa gaccaaacga aatttgaaga catttttgat gtggatcact 180
tcattgacta cctgaagtat gatgttcgta ttgtccgtga tatcccagaa tggtttaccg 240
ataaatcaga gctattta 258

<210> 46782
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039080H1

<400> 46782

gcaaaatgca acaaattcag aggcctcaaa ccgagagaat acgctgcctt gaaggactgc 60
gctgaagaaa tcagtgcag cgctgaccgg ctgagccgtc gctgaaggaa ctcaaattgt 120
gtaaggtgaa gggtgaggac ttcacgtggc acatcagcaa cggtgagacg tgggtgagtt 180
cggctttgac cgatgagagc acttgccggc atgggttcgc cgggaaggcg ccgaatggga 240
agattaagga ggcgatt 257

<210> 46783
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039084H1

<400> 46783

002220" E F F E S 6 0

gcaggagcca ttactctccc ccaccgccat gacgggttgca agccccgcct cttcacgcac 60
caagaggctc gtcaagctaa cgctctcgct cctccgcctc ggcttcaact cctccaaatg 120
caaaacggca gcgaagatgg cgggtggcgag gatcaagctg ctgcggaaca agagagaggt 180
ggtcgtgagg cagatgcgac gcgacattgc ccttcttctc cagtctggtc aagacgccac 240
cgctcgcatc aggggttga 258

<210> 46784
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701039085H1

<400> 46784

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cagagttcca cgcaactctg attttcgtgt tcgctgggtg tggatcagcc atcgcttaca 180
acgagcttac aaaagatgca gccttggatc caacgggggt ggtggcagta gctgtggcac 240
atgcatttgc actggt 256

<210> 46785
<211> 256
<212> DNA
<213> Glycine max

<223> Clone ID: 701039087H1

<400> 46785

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cagaaaaccc cttttcggat cgggtggagcg aacctcgccg gcgagacccc cgaggctggt 120
caatcggcga tcgagcaacg gcgaaaagcg acgaagatga aggttttctg gaagactctc 180
aagggcacgc acttcgaaat tgaagtgaac ccttcggaca cgctttctga agtgaagaaa 240
aatatagaaa ctgttc 256

<210> 46786
<211> 260

09531113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701039088H1

<400> 46786

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atccttgatg aaatagaaac accagaagaa cccaacagtg ctgccgaatc ccctgttgtc 120
tctccacttc cacttggtgc agaatcccca gttgcggaag tcaaaggagt tgaccaacaa 180
catcacacgc tctcattttt catgcacgac attctgggag gctccaaccc cacggccaga 240
gctgtaacag gcgtggtgac 260

<210> 46787
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701039092H1

<400> 46787

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ctgattcagt ttctaggtat tctcgatttc aatttctcta tctggttttg tctttgaatt 120
gttctgattg taaattttta tgtaagatt ggattgttta tttcattagt atgttgaatc 180
atgttattac ttatcggggtc tggttatgag tgtatagggt tagtaaggga tttggttcct 240
ggcgatgggt 250

<210> 46788
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701039093H1

<400> 46788

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tatttaaatt gtttgtgtat atgatattta ggacttattt atttggtggt tttagtccat 120
taaacattca ttttagcctg atttctcctt tagatttatt tggtgataac ttttaaaaat 180
gttgatagaa gggaaaaagg ccgacaagaa agaaacaggg gatatgcttt ccaatcttga 240

tggttcacgc tga

253

<210> 46789
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701039094H1

<400> 46789

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gggtaactcc catggacacc ggcacgcaa acacggtaac tccgttctc ccaacacggc 120
tctctctccc tataaatata atctcacc aaccacctcc aattccacca tgctttctct 180
tccttacacc cacgtcgaca ccacctccg ctccctcgcc gcccaagccg agggcttcgg 240
tcgcttcgct atcg 254

<210> 46790
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701039095H1

<400> 46790

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aaacatgggt ggatcttcaa cgctcccggt gatgttggtt ggttgcaact taccgattac 180
tacgatgtaa ttaagcaacc catggatctg ggaacggtga agtccaatct ttccatgaac 240
aagtacac 248

<210> 46791
<211> 258
<212> DNA
<213> Glycine max

<223> Clone ID: 701039096H1

<400> 46791

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ataaatgcat atactacatg tctattgcat tgaatgttgt cctaagagtg gcttgggtgg 120
 agactataat gcacctcaaa gtggggcctg ttcaaactag gctactagac tttttgttgg 180
 cttcactaga ggttattcga cgagggcatt ggaatttcta caggttggag aatgagcatc 240
 taaacaacgt gggtcatt 258

<210> 46792
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039101H1

<400> 46792

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 ccgcaacaca cagtagtaca ctccgagtcc gatttcgaga tcaggctcta tcgtacctct 180
 gtttgatgt ccgctcctgc cctcgacatt tccttcgaaa aagccacctg gaatggcttc 240
 cacaggttgt tccagtccac agaaggtgcc aacttgaatt tctct 285

<210> 46793
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039102H1

<400> 46793

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 gccaaagtact atgaagccgg tgcacgtttt gccaaagtggc gtgctgtgct gaagattggc 120
 cccaacgagc catctgagct ggctatccat gagaatgcct atggcttggc cagatacgct 180
 gtcatatgcc aggagaatgg cctgggtccc attgttgagc ctgagatcct tgttgatgga 240
 tctcatgaca ttcacaagtg tgctgccgtc accgagcgtg 280

<210> 46794
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039103H1

<400> 46794

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 cctcttcact cttctactct tgttattcat tcatacagca ctctcttcta cccaatatca 120
 tgatcggaac atcttactca ctcacgtaa gatcttcccc aaacaggaag ctatcacctc 180
 gtacgctgtc atctttgatg ctggtagcac tggtagccgt gtgcatgtct tccatttcga 240
 ccagaacttg gatctccttc gtattggcaa cgaactcga 279

<210> 46795

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701039104H1

<400> 46795

gacgattcag atcttagggc ttcttcttct tttctttctg tggagcccca ttgaccatag 60
 ccgccagcca gagagagaag agaagccttc ggatcgtagg ttttcttacc ctcttttctc 120
 ccaaatacggg cctttccgct tctcgattcg ctccgcagc tgagcgatct ggaaaaccca 180
 gaaaagaacc aaccgaacgt tttatatgtt tcggataatc aatcaattga agatgtctcg 240
 ttgcttccct tttccccctc ctgggtatag ggcacg 276

<210> 46796

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701039109H1

<400> 46796

ctccgtcaa caactataag attatcttct tcttcttctt ctcttcaatt cttctccaat 60
 cccaaccgca cctcttccg tccctttctt cacacttctt tcaaaccact tccttcgtct 120
 ttctctttcc gaacagatca cactatggcc acctcaaacg ccaaatacgt ccatgatttc 180
 accgttaaag atgccaaggg aatgatatt aaccttggtg actacaaagg aaaggtcctt 240
 atcattgtca atgttgctc acaatgtggc ttg 273

<210> 46797
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039110H1

<400> 46797

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 ttgatcaaat gggtttttggg tcaacttccaa ttttctgaaa cagcgtactc tcaaaaaaaaa 180
 tatctgatca catTTTTctac ttctgcaaat tctgcatttt tttccctctc tttctttctg 240
 ggggtgtctgc agaacaaggg aatctcaca 269

<210> 46798
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039111H1

<400> 46798

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 cactatcatc ccaaagatta ttggggccat ccaaactatt gaaatcgttg aaggaaatgg 120
 aggacccgga accgtcaaga agataacagc tagtgaaggt gaccaaacca gtttcgtgct 180
 gcaaaaagtg gatgcaattg acgaggctaa cttggtatac gactacagca tagtgggagg 240
 gacgggggtg catgaaagtt tggagaa 267

<210> 46799
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039112H1

<400> 46799

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gggaacctta ataatgaaga gagatcagca accatggaga taatcaaaga tgcctgtgag 120
 aactgggggtt tctttgagtt ggtgaaccat gggatatcca tagagttgat ggacaccgtg 180
 gagaggatga caaaagagca ctacaaaaag tgtatggagc aaagggtcaa agaaatggta 240
 gcaagcaaag gtttggagtc tgctca 266

<210> 46800
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039113H1

<400> 46800

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 cgaacgaatc gacgatgaag acaaccttct gatccgtcaa gtggtgcccg acgcggagga 120
 ccaccacctg ctcaacgcgg agcaccactt ctccgccttc aagacaaagt tcgccaagac 180
 ctacgccacg caggaggagc acgaccaccg cttccgtatc ttcaagaaca acttgctccg 240
 cgccaagtcg ca 252

<210> 46801
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039114H1

<400> 46801

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 aatgatgaag ccatcgatgc tcagatctct tcaactctgcc gccaccgcg gcgcctccca 120
 cctctcccg cgtggctacg cctccgagcc ggtgccggag cgcaaggtgg ccgttctagg 180
 tgccgccggc gggatcgggc aaccctctct ccttctcatg aagctcaacc ccctcgtttc 240
 cagcctctcc ctctacgata 260

<210> 46802
 <211> 264
 <212> DNA
 <213> Glycine max

002223.13.03200

<223> Clone ID: 701039115H1

<400> 46802

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ttatacttaa ttaacactta acaaacacac aatctcattt tgtttctctt caatccaaac 120
gcattcacat tcacattcaa tcaatgatgg ctcagcttct ccacactccc ttcattcccct 180
cctcctcctc cgcgctccgc cgcgcgcgcca ccattcccca ccgcaaaacg acctctcgcc 240
tcgtcgttcg ggccaagatc cggg 264

<210> 46803

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701039076H1

<400> 46803

gcggaatcag ctagaatttt ctaataatgg ccaaagacgt tgagcagggtt acagagcaag 60
gtgaatactc cgcgaaggat taccatgacc cacctccggc gccgttgatc gaccagatg 120
agctcactaa gtggtccttg tacagagccg ccatagctga gttcatagca aactccttt 180
tcctttacat caccgtgttg accattattg gctacaagag acagagtgc accaaaatcc 240
ccggtaacac cgag 254

<210> 46804

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701039044H1

<400> 46804

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tttcaagatt ccaaaacccc ttattattat ttgtttattt ttatctcttt tgtactttgt 120
tctctgtaga gtaccagatc tttgcattcc ctggttataa ttccgaggct ggtttcttgt 180
taggaccgtt aacttcttct catggctcat cgctacgata gtaaccctt cgacgaagaa 240
gaagtcaatc ccttctct 258

<210> 46805
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039045H1

<400> 46805

cttggtgaat tcggaatac catcaaacca tgatgagttg tgaacaaccg ggatggagtt 60
 taacaggtag tatgatggtt ataaagcaac tgaggaagtg gtgccctaag ttttgtatgc 120
 tagagcttac acaaatataa tattggggga ggtgagggag aggctagaaa ctgattcgac 180
 ttgggattga taatccacat ggttggtccga gtttgcaaca ttctaataatg cttctcccat 240
 tgcacatttt tcctttattg aactcaatta c 271

<210> 46806
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039047H1

<400> 46806

attcttggga gataacagtg aggaatatac tcctagtcta ccaaagatta tttttgctca 60
 ggctactgga gggatcattg ctggtgctac tgcacctgc attacaaacc cattggatac 120
 tatcaagaca cgattacagg tgctgggact tgaaaagaaa atccctgtaa aacaagttgt 180
 taaagatttg atcgctgagg atggttggac aggtgtatat agaggattcg gtccaagact 240
 tttcagcacg tcagcatggg g 261

<210> 46807
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039048H1

<400> 46807

aagccgcagt gaaccaaacc atcatcatcg cgttaccgga ataatcgacc catcatcaat 60
 tagatcgaaa tgaaggatga ggacgggctt ccgacgacga ccgcggttac aaagaaggaa 120

aacttgatt cgagtctgtt tggaaaaggc aggtacaaat tctgggcgtt agcggccatc 180
 ttgcttctgg cgttctgggc catgttcacc ggtaccgtct cgctccgctg gtccggcact 240
 ctcaattccc tttccaacga catc 264

<210> 46808
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039049H1

<400> 46808

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 gactaaaacc attcagggat tatecttacc aaataatagc tcctcttctg gatcattggc 120
 cgtatattgg aattttcatt ggtataatag ggtattttct taattgcatt tacaggcacg 180
 tgttcaatat tttgttttac ccgaacaaac taatccgtag gagcagtttc aaaattcctt 240
 tttagtggct taaagtagat tggtaa 266

<210> 46809
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039050H1

<400> 46809

caattacaga gcattttcca acacgattac acgaccgaat caaacccttc tttctctccg 60
 aagctgcttt taatatcgta ctggccttcg attgttctcc tctttaatac atactgttct 120
 ctcttcgatt tgagggaaca gtacaagagt ctgagcatcg gttaacccaa ctgcacaggt 180
 agtctccaaa taatggagcc tcatgatgag actggatgcc aggtctctga acgccccatt 240
 ctttgcatta ataattgtgg ctcc 264

<210> 46810
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039051H1

<400> 46810

aaaagggagg agccaagagg cacaggaagg tgcttcgtga caacatccag ggtatcacca 60
 aacccgcaat tcggcgtttg gctcgcagag gtgggtgtaa gagaatcagt ggtctcatct 120
 acgaggagac acgtggcgtc ctcaagatct tcctcgagaa cgttattcgc gacgctgtta 180
 cctacaccga gcacgctaga agaaagaccg ttaccgctat ggatgttggt tatgctctca 240
 agaggcaggg caggactctc tac 263

<210> 46811

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039052H1

<400> 46811

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 catggcctcg agagcagtgc tattgttggc tatgtgtgtg cttccggcca tgggtgtggc 120
 cattcgccca gcaaagaacc ctttttgctg gaagggctgc gtctactgtg acccttgccg 180
 tgctggtttt gagacctcag caaccaccta cattgccggt gctgagatta tgttgcaatg 240
 caagagcagg gtttagcaacg 260

<210> 46812

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039053H1

<400> 46812

aaaataactg catacatctt ccatccaact atatatcaaa acactctatg gcgaggtgtg 60
 aatccgtttc cagcacaatg cccctgaatg caaaaatatt aatagcaatt atattccttg 120
 cattcgcaat cacggctacc atttcaactc gaatgcttga tgaaatagaa acaccagaag 180
 aaccaacag tgctgccgaa tcccctgttg tctctccact tccacttggt gcagaatccc 240
 cagttgcgga agtcaaagg 259

<210> 46813

<211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039054H1

<400> 46813

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 cagccaaatg agcaatcaga gaaagttcgt agctgatgga gtgtttcttcg ctgaactgaa 120
 cgaggttctg acaagggagt tagccgagga cggatactcc ggcgtggaag ttagggttac 180
 gccgatgcgc accgaaatca tcatcagagc caccagaacc caagccgttc tcggtgagaa 240
 gggaaggaga atcagggaac t 261

<210> 46814
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039055H1

<400> 46814

tggagtcgta ggagccctta caccttgacag agtcatctca acattcccaa gggctcctac 60
 tacgcaataa cgccaagctc gatctcaaata taatatatca tttattcctc ttaatcaaata 120
 attaaataag aaaagatggg agagatgtca aacttccaat tgggtgtgat tgggtgacta 180
 tttctctcgg tggcttcttc tgtctccatt gtcactgca acaaagcctt gatgagcaat 240
 cttggcttcc ctttcgccac a 261

<210> 46815
 <211> 257
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039058H1

<400> 46815

gacggaacac cattttgctt aaactccatt gatcttatag agagtacaac agtcgccccaa 60
 tcaagcttca gcaaatttgc catgactatc cctgagatca aatctggcag tggcatattt 120
 gcattcaact tgacatggaa tgatataaaa atcttgaccc cctcaatatt gaaccctttt 180

gcaaaataca gattgttcag gaatccaaga tctaagaatg ctgggacatt gttggcatta 240
tcagatttct tgtcctt 257

<210> 46816
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039061H1

<400> 46816

ctgggtcctg accagcccgat gatcctccac atgcttgaca ttcctccagc agcagagtcg 60
ttgaatgggg ttaacatgga attggtggat gctgcattcc ctcttcttaa aggtgttggt 120
gctacaaccg atgtgggtga ggcattgact ggggtcaata ttgcagtgat ggttgggtgga 180
ttccctagaa aagaaggtat ggagaggaag gatgtgatga ctaagaacgt ctccatttac 240
aagtcccagg cttctgc 257

<210> 46817
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039062H1

<400> 46817

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attcattggt ttcgtcaaaa gccttcactt gagttctctt gatgttggtg tgattcgtga 120
aggcagtga aatgcatgtg tgtccattgg gtacgtggat gtgcacgtgg gaatttgaat 180
ttggagtga cgatgagcca cattcaaagg gatagaataa aggttctttt tcttatatgt 240
tgatttggag tggggta 257

<210> 46818
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039063H1

<400> 46818

002220.ET.13.032200

gaaagacatt aaaatctact tttgtcagca gagcctctga attcttgaga aattatcttg 60
ctagtttggt ggacttcatg ataagtata aaagttactc ttctcagcgg ggacagttaa 120
agatgcctga tcatgctgac ctgcggtact cctgcaggac atatgcacgt cttctgcaac 180
atttgaagag tcttgacaag aattgtcttg gtccattgat caaagcttat tgcagttctc 240
taaacttgct tcttcgcaga ga 262

<210> 46819
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701039064H1

<400> 46819

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tttgtttaat tgacttatga gtataggaat ggacacagtg atggacgagg aagaatacaa 120
ctatagagaa gtgaggtctc cttctctgat agcagtggg ggcgagccag agctggggag 180
ggaaacaggg gaaaggagaa gaggaagggg cataataata gccatagatc atggccccc 240
taccaaacat gctttcgatt gggctctggg tcacct 276

<210> 46820
<211> 264
<212> DNA
<213> Glycine max

<223> Clone ID: 701039066H1

<400> 46820

aagatattcc tcaacgtaat ccaatattcc tatctaata ctaccaagct attattctgt 60
cataagaaaa agaaacacac aaaagagaaa caagttgta gccacagcaa aagtcgatgc 120
ttactagtct tagttaggcc tcagcgtcag ttcataaaaa cttttgcttt tataggaatt 180
ttgctcaggg aggattcttg ttgtattgtt gctgatagcc tagaggtgga agtttttagtc 240
tttggttgga actagttgtt ggct 264

<210> 46821
<211> 260
<212> DNA

<213> Glycine max

<223> Clone ID: 701039068H1

<400> 46821

atTTTTatga atatctcttc cttgaagtca gcttatattg agcttcaagc tgctcatact 60
ccctacgacc ctgataaaat tcacactgct gataaacttg ttattagtga gctgaaaaat 120
ctgtctgaac tcaagcattt ctacagggag aacaacccaa aaccagtgtg tgtttctccc 180
caagactcac gtttagctgc agaaattcaa gaacaacaga gccttctgaa aacttatgag 240
gtcatggtga agaagttcca 260

<210> 46822

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 701039069H1

<400> 46822

gcagcgtcca ggtgcatccc ctctctcgt caaaccacg cccatttcat tcttctcaat 60
tcccaattcc aaattagggt tagggttttc acaatctcaa tgaccttctc ttcttccttc 120
accttacaat ccctattcca ctaccgctac tactactccc tttgtcttcg tcgttgctcg 180
tcgtaaggat taatcaatta acctatcgaa tcgtttcagt atcttcttct tcttttctt 240
ccatggacct ctctcaccct 260

<210> 46823

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701039070H1

<400> 46823

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catggtttta cccaactgtc aaaccaaata tgtcatttaa cacaatggga tattgttatg 120
ttgtctatgc actatatcca gaagggtcta ctcttcaaga aaccacacc tcttgttgat 180
caacatgatt tcatagagaa tctcttgag aagctcaaac actctcttct tctcactctc 240

tcccatttct atccttttg

259

<210> 46824
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701039072H1

<400> 46824

atttcgtata acatttcatt tcaacttcaact taggggtggtg catttgcaac cctttaattt 60
cctcacaaaa atggaggcac gtagtttgta ctactagtg tttcttggtgc ttgctttggc 120
tattgtgaac aaagtgcatt ggcaagggac gcgtgtaggg ttctattcga gtacatgccc 180
acgcgctgag tccattgtta agtccacagt tacaacccat gtttaattctg atagtacttt 240
ggctgctggg ttgcttcgga 260

<210> 46825
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701039074H1

<400> 46825

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gcgacgccgt tcgtgcattt ttgaggtgcc gctgtcatgt ttgggcgtgg tggaccaagg 120
aggagtgata actccaaata ttatgatatt ctggggattt ccaaaaatgc cagtgaagat 180
gaaatcaaga aggcctatag aaaggcggct atgaagaacc atccagataa gggaggagat 240
cctgaaaagt ttaagga 257

<210> 46826
<211> 255
<212> DNA
<213> Glycine max

<223> Clone ID: 701039075H1

<400> 46826

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gggcgtccat ccacagaagc aatggatatc ctacgttaca caaacgggta ggttgatgca 120
 tgtgatgatg acaaagatac accctggttg gaaagtttac cacttccgag ctaagcgcca 180
 aatggccgag agtttaggac agattgctaa gttcagacgt cgctttgggc tagaaaatcc 240
 agagggcaat gaaaa 255

<210> 46827
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039043H1

<400> 46827

aaaaaaaaatt gttttcgtgt ggaaacaaaa aaacaattca aaaacaaaca tatgatgggtg 60
 aagccgagta gcgaaaagcc agaggagcat agggattcca actactacaa aggggtccga 120
 aagagaaaat ggggcaaatg ggtatccgaa ataagactac ccaacagccg tcagaggatt 180
 tggttgggat ctttcgacac ccccgagaag gccgcgctg ctttcgacgc cgcaatgttc 240
 tgcttacgtg gccgcaacgc c 261

<210> 46828
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039006H1

<400> 46828

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 aacctgaaat tgagcatccc aggaaggcct atggatgggc agctagggat acatctgggtg 120
 ttctctcccc tttttggttc tctagaagga aaacagggga gaaagacgtg acatttaaag 180
 tgttgtattg tggagtatgc cactcggacc ttcacaagtt gaaaaatgaa tggagtgtatt 240
 ccatctatcc cttgtccct ggccgt 266

<210> 46829
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039007H1

<400> 46829

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actcattgat tcatttggtt cctcacttt ccccacttcc tttgtctcca tataaaccct 120
tcacctgtg acccttttcc cactcccaa cccctctctt cattccaatt ttggcaccac 180
accatgcaa cctcaacca tgtctcaca ttcacattct tcttctctct ctcttgccat 240
tgccacctcc tcaatggcca agaggaca 268

<210> 46830

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701039008H1

<400> 46830

acagctgtct gctgtagat ctgtaccgc ctagccattg atttggaata gtccaacttc 60
aaggatgagt aagcttcaga gtgatgtct aagagaagct atctcaggaa tcattggctga 120
ttccaaggaa aagaacagga aatttggtga gaccattgaa ctccaaattg ggttgaaaaa 180
ttatgatccc cagaaggaca agcgtttcag tggctctgtt aagttgcctc atattcctcg 240
ccccaagatg aagatttgta tgcttgga 268

<210> 46831

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 701039011H1

<400> 46831

cacaatacaa gctggaggag tggacatatt aattaagtta ctgacaactg ggcagtctag 60
cacttttagcc aatgtgtgct ttttacttgc ttgtatgatg atggaggatg catctgtttg 120
ttcaaagttg ttgacagcag agacaacaaa acaactcctc aaacttttag gccctggtaa 180
tgatgccctt gtcagggtg aggcagctgg tgctcttaaa tctctatctg cccagtgcga 240
agatgcaagg aaagagatag c 261

<210> 46832
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701039012H1

<400> 46832

agggtgcaga agcaaattggc ggcgagaagc aattgaaatt tctgatctac ggtcgcagcg 60
gttggattgg tgggtctactg ggtaagctct gcgaagagcg cgggatccaa tatgagtacg 120
gcaccggcag attggagaac cggtcgctcg tggaggcgga catagcggct gtgaagccca 180
gccacgtgtt caacgcccgcg ggtgtcacgg gtagacccaa tgtggactgg tgcgaatctc 240
acaaagttga aaccatccga ac 262

<210> 46833
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039013H1

<400> 46833

atggagctgt atatttcctg gaagcaagaa agtgagcaac aagacaaagg aagtggtgaa 60
ctctactata tcaagcaatg caggggagaa gttgaggttc aaaaccttta acagcatcaa 120
aataagtgca attggcaaca ttttgacat tttattggct gcatatctcc ctactttgtt 180
gttagtcctt ttatgagggtg ctaataattc aattttttgt tctttttgga attttgaatt 240
tcatagagtt aaggatgagg tca 263

<210> 46834
<211> 263
<212> DNA
<213> Glycine max

<223> Clone ID: 701039014H1

<400> 46834

tgactaagtc ccaatatttg ttgttgaaca aagcctattt ccagtgacca agcctcatct 60
gttgttgaac aaaggctctt tgtgtgagca tttggcagca ccagaaagag gaaaatggtg 120

gctagtgaag acatatatgg tggggaggaa gtttctcttg tccaaccaga ccctgtgggg 180
 ttgcagattg atcgtttgca aaaccaactc acagaaaagg ttaaggaact ggcaacttgc 240
 cagagtgaaa tcaaggcctt aag 263

<210> 46835
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039016H1

<400> 46835

taaaatacaa gatgaagagc aagttccttt ttgttttctt attattggga attcttaact 60
 gtgaggcaca atatttcaat gccaaacccat acgactatth acaactagcc ttaaggtggc 120
 ctaattccta ttgcttgaca catgaaggtg gttgcaggga aatagtgcc caatatttta 180
 ctattagcta ccttcacccc atgagaagag gaggccctga tctgcaaaat tgccccctcac 240
 catttaatat gccaaatagc actatgga 268

<210> 46836
 <211> 105
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039018H1

<400> 46836

aattaagaaa attagaagtg ttgacttaat tgcaatttac aaaaatattc gatacacgat 60
 cttcaaattg caattaagac aattagaagt gttgatttaa ccccc 105

<210> 46837
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039020H1

<400> 46837

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 cgccgcccgg atccctccgg cgatgacatg accgcccgtt ccctcatccc ttcttagacc 120

ttt gatg cgc cgataccctg cccgcactcg cagcgccgcc tccaatctca acaacaacaa 180
 cgaaacaatg gatccgatca aaaccaaacc ccgctccaac aacctcttct ctcgtaaccc 240
 taagccctcg caatcgaggt ccctc 265

<210> 46838
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039021H1

<400> 46838

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 catctcccc tctgtccag ctatggcctc tatatgcac ctgaagggtgc tcaaggattt 120
 gcagaaggat cctcctacgt catgcagcgc aggtcctgtg gctgaagaca tgtttactg 180
 gcaagccaca atcatgggac ctgctgatag cccatatgca ggtggtgttt tcttagtttc 240
 aattcatttt cctcctgact atcccttcaa gccaccaa 278

<210> 46839
 <211> 62
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039022H1

<400> 46839

atctgcatag ctttcaacac ttcaggacag gacacagcgc atttgcgctc tgtaagaatt 60
 ga 62

<210> 46840
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039023H1

<400> 46840

cttccttgct caaaaaaat aaagagagaa tagtactcca atcaacatac cccacactgt 60
 ttgattagga attcgggttg cacacctact ccttctactt tccaacaccg ctgtctctgt 120

ctttctagtc acagttgggt gggttggtac caaaggtgag gcagaggaga ctcagaaaga 180
 gatggctgaa cacggaagag ttatggcaaa ctgtgtatat gctcccaatc cctaccatga 240
 atgcacggag gcttgctgac aaagaa 266

<210> 46841
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039025H1
 <400> 46841

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 ttctctcttg ctcttgacagg agagagccat gtccatgcat cgctacctga ggaagattat 120
 tgggaagctg tttggccaaa cactcccatt cccactgcac tgcgagacct tctaaagcct 180
 ctccctgcag gtcttgaaat cgatgaactc cctaagcaaa ttgatgatac acagtacca 240
 aaaacattct tctataaaga aga 263

<210> 46842
 <211> 238
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039027H1
 <400> 46842

gttcgcgact aatgttacga ttctcacctt ttctcgctac tccccctact ccttcttccc 60
 tctctttctc ctccaactgc cacgtgtcct ctccgctca agcaacacta caacaacaac 120
 atgaacaaca gccccttccg caaagctcac agctgggtggc attggaatat gctgacctca 180
 acctctctta caactcggat ctcgctcacg tcaggctacc gcagcatggt aatccccct 238

<210> 46843
 <211> 260
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039029H1
 <400> 46843

gggatttcgg ccgtttgctc cccaaaaagg aaagaagcag attccgtcct ttgaaatcaa 60
 caagaaaaga tgtcagggtga agaggtagct gttgcagttg aggtacctgc tacttcaatt 120
 ccagggtgagc caatggacat catgactgct ctacagcttg tgctgagaaa atctctggcc 180
 tatggtcctc ttgcaagagg tcttcatgaa ggtgccaaagg tgatcgagaa gcatgctgca 240
 cagctctgtg ttctagcaga 260

<210> 46844
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039030H1

<400> 46844

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 acgtggaaca attggacata tagcaccaga gtacctctca actggaaagt cttcagagaa 120
 gactgatgtt tttggatatg gtgtgatgct tcttgaacta ataactggac aaagggcttt 180
 tgatctagct cgacttgcca atgatgatga tgtcatgttg ctgattggg ttaaaggact 240
 tctcaaagac aggaaattgg a 261

<210> 46845
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039031H1

<400> 46845

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 agtttggtgg acttcatgat aagtgataaa agttacttt ctcagcgggg acagttaaag 120
 aggctgatc atgctgacct gcggtacaag tgcaggacat atgcacgtct tctgcaacat 180
 ttgaagagtc ttgacaagaa ttgtttgggt ccattgagga aagcttattg cagttctcta 240
 aacttgcttc ttcgcagaga 260

<210> 46846
 <211> 260

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701039032H1
 <400> 46846

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 ccttaatgcg gagaatccga gcctgcaggt taacgccgtc acgacgattt tgaacatgtc 120
 aatattggaa gcgaataaga ctaagataat ggagactgac ggcgcgttaa acggcatcgc 180
 gaggttttga tatcgggtgc cacgtgggag gccaaaggcg acgcggcagc acggtgttta 240
 gtttgtccgg tgtggcggcg 260

<210> 46847
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039034H1
 <400> 46847

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 tgggagatcg tgaagaagaa caactccttt ttggtgaaag agttcgggaag gggcactcag 120
 agcgtgcagt tcagcagaga gcccaacaat ctctacaacc tcaacaactt caagtactcc 180
 ggtttggcga accagaaaac tgctactgtt caacctgctg gtaaagacca gtccgtgttg 240
 ctgcacaaca ccaagacaaa gaagc 265

<210> 46848
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039035H1
 <400> 46848

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 aactctagcc aatctagttg tatgtgtctt tcctctcggc aaaccatcta acaaactcatt 120
 cagccagctg aaactttctc acccagagca tgtattggtc aaacgggtat catcagctga 180
 agaaagtttt gatagagcgc tacaatcatt ttctcatga gtgtcgatga ttgaatttct 240

ttcaagagtt gaatggtgtg aggtc

265

<210> 46849
 <211> 263
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039036H1
 <400> 46849

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 cttagcgatg atcctcttct tcattgcttc ctcttcctct cacctcgttc gcgcttcagg 120
 tgacgccgac gacgcgatct tctacgagtc gttcgacgag gattttgatg gacgggtggat 180
 tgtatccgac aaggaggatt acaatggtgt ctggcagcat gccaaagagt atgggcatga 240
 tgattatgga cttcttggtta gtg 263

<210> 46850
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039037H1
 <400> 46850

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 tttccgagac tatgcggaac tttgcttcag ggaatttggt gatagggtaa agtattgggt 120
 tacattgaat gagccatgga gttacagcca aaatggctat gcaaattgggc gaatggcacc 180
 tggtcgttgt tctgcttgga tgaatctgaa ttgcactgga ggtgattctt caacggagcc 240
 ttatttggtt acacatcacc aa 262

<210> 46851
 <211> 265
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701039040H1
 <400> 46851

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taacatgtca tgcaatgatg atctccactt tgtaaatttg tcttcaaate ttctgaaagg 120
 tgaacttccc acttgtttag aaccaaagac cagggttggt ctgtatgcta gaaactgctt 180
 atcaaacaag aaccaagatc agcacccttc agattttctgc agcaatgagg ctttggcagt 240
 gacaatcata ccccatcagc agaag 265

<210> 46852
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039005H1

<400> 46852

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 cctacaccca ttctacactc gcctccttcc aaaaccgcac cctccacaca cctcttcttc 120
 cttcgcccc tcagattcaa aagacctgtc cccccgctga aagggtcgat ggcggagacc 180
 aacaacaacg ttgccgtcga ggtccttgaa aaagaggatc ttgccgtgtc cctggccaaa 240
 tacgtcgccg atctctccaa caaattca 268

<210> 46853
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038972H1

<400> 46853

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 ccaaggcctt agcttttaggt cagtttagatg atatgtttgc atcatgttat ccgtagcttc 120
 aactttctgt aacttcttgt ataggcaaag gtttcaaacc ttcaatctat ccttctcttg 180
 cttttgccaa aatgttatgg tgaataggga gaaaaagatg gaaaaaaatg tgactgtttc 240
 atgtactgat attgtaaa 258

<210> 46854
 <211> 256
 <212> DNA
 <213> Glycine max

002220" EFFE60

<223> Clone ID: 701038973H1

<400> 46854

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tctgatatta aggttgcttt tggtcgattt tcttcaagtg tgaaaggctt tcggaatatt 120
gacttgtttg tccagcacia cgatgggaaa aagatcatag atcctgaaag ccagaaaacc 180
ttgtgttcat gcttaaaaga agagatgcta tccgttgagg gtgacgatag tgaaccgggg 240
tccagacaca gaactt 256

<210> 46855

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 701038974H1

<400> 46855

eggagcatgg cagatctcaa gtccacattc ttgaacgtct attctgttct caaatctgaa 60
ctcctccacg accctgcttt tgagttctcc gatgatgctc gtaattgggt cgaccggatg 120
ctggactaca atgtgccggg aggaaagttg aaccggggac tgtcagtaat tgatagctac 180
agattgttaa aagaaggaca ggcattaaga tgacgaaatt tttcatgcca gtgctcttgg 240
ttggtgtatt gaat 254

<210> 46856

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701038975H1

<400> 46856

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agcaccacca aacaaatgat cccaaaagtg actttgcttg cagtgtttgc cgtactgtta 120
ttcactgtca caccactttc ctaccctttg tttagatact cttcttcac atcatctttg 180
aagagcaata agcaattatc caagaaacca atcagcattt gatgatctga atgagtcagc 240
aagcttgccct tcaactt 257

<210> 46857
 <211> 258
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038976H1

 <400> 46857

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 agtggacatg gccagactct tcgccttgca cgacgtcgac gtcaccatca tcaccaccgc 120
 acataacgcc accgttttcc aaaagtccat cgatttagat gcgactcgcg gtcgccccat 180
 cagaacgcac gttgtcaact tccccgccgc aagtgggtct ccccgttggg atcgaagcct 240
 tcaacgtcga tacgcctc 258

<210> 46858
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038977H1

 <400> 46858

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 gtcttggaag gtcacaagt ccccagacaa gccttacctt attgaaaaga tcaacagaaa 120
 cgacctcaa gaagtatat tttgctttcc aggatcaggt gctgtcaggg attggtactc 180
 tcagaaaaac tttggtgaaa cacaaataga ttggtctgtt tccctcactc agaagcattg 240
 gtatcgatga acaag 255

<210> 46859
 <211> 260
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038978H1

 <400> 46859

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 tctcctcact tggtcggaaa ctctccgcc agaatccgcc gccaccgtcg cctccgccac 120

ccgctctggc cagccttccg atagaatcag caaggttctc catggcggcc agctcaccga 180
 cgaagaagct cagccgctag ccaagagcaa actgctcagg gtataaaatg aaagacatga 240
 ctggaagtgg tatatattct 260

<210> 46860
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038979H1

<400> 46860

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 tcattttctcc tgcaccagcc ttggtgaagg aattagatga gacaagccaa gtgtacccaa 120
 aatttggtgt tgatgattac atgaagctct atgctgggtc caagtttcag gctaaagagc 180
 caaggtttga agctatgaag gccaatgcaa gcagttgatg tggggggccat agccacagtt 240
 tgagtctcag ggctctcagc a 261

<210> 46861
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038980H1

<400> 46861

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 actatctgag agcattttgt gcactactgg gttgaaaatg tatatgctgg agagcaaagg 120
 aggtgccata gcatgcacgt tcttgtctct tttcttcttg gggacatggc ctgctctttt 180
 gactatgtta gagaggcgtg gtcgtcttcc tcaataccta ccttgattac tcaatcacca 240
 atttcttggc tgctttactc at 262

<210> 46862
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038984H1

<400> 46862

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ctgtgtccat cacaccaaac caccaagtgg catcaatctt tgcagcagca ttctatggac 120
tctttaatct cttctctggg ttctttatcc caagaccggg gaggaccatt ctagtttcgt 180
tattatattg aaacaaacat atcttacaat ctttactaac ataactcttc taccaacttt 240
ggcttttcag aaaa 254

<210> 46863

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 701038985H1

<400> 46863

atgaattaag gtgggtgttg catagctga atctgagtta gaaaagcagg tggacgcgtt 60
tactgagtca gcattcaagg ggaaccctgc atctgtgtgt ttcttagagg aagagagaga 120
tgaggagtgg ctgcaagcag tagccgctga attcaatata tctgagactt gttacttata 180
acgcatcacc cactcgtctc atggaatcta atccccgttt tcgtctcaga tggtttactc 240
ctgttgctga ggtaaaa 257

<210> 46864

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038986H1

<400> 46864

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gtaagctaag cttcaactgcc atgcctgcaa cgccattctc gtgttcgttc ctcaactctc 120
aaccgcgctt caactcctac gttaacccca tcttcggttc actcaccttc caactctctt 180
cttcgccgct cccattgttc actaggaaag ggagaagaaa ttaaggatca gctttattgt 240
tttgaagatc gaggcaat 258

<210> 46865
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038987H1

<400> 46865

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 tggcaagcga ttggccagca ttaatgtcga gaatgttgaa gcaaataaggc gtgctcttcg 180
 tgaactccta ttcaccacac ctgggtgcttg agtgcctcag tgggtgtgatc ttgtttgagg 240
 aaaccctata ccaaaa 256

<210> 46866
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038988H1

<400> 46866

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 ttttggtacc acagtttagca actaccctcc ttgtccgaag ccagagctga taaaggggct 180
 cagagctcac acagatgctg gtggcatctc tactcttcca agatcacaag gtcagtggat 240
 tacagtcctt caaaga 256

<210> 46867
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038989H1

<400> 46867

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 gatgttgata tgggtgttgt ttcacatctt attagtgaag gtagcatgga aatcgagttg 180

acaacttcca cagtatcaat cgatctgacc tgtcaataat tcagtttcac aagttgtttc 240
 agaaaataat agt 253

<210> 46868
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038990H1
 <400> 46868

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 atggccgact catctcaaga ccttgaccaa cttctcgata gtgctttgga tgattttcag 120
 tccttcaacc tcaatcctcc ccctccaagt ggggaagcaa ctgcgaatag caagaaggag 180
 agtccttctt tgccgtcggg ggttcaaatt gggcatgggt ttacccgatt tgagaacgaa 240
 gaaaaagggg aaa 253

<210> 46869
 <211> 256
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038991H1
 <400> 46869

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 cgaaattgaa gctcgagatg tcatcaagat tgtgcttcag ttttgcaaag aaaattcggt 120
 gcatcagact tttcagatgc tgcagaacga atgccaggtt tctctgaaca ccgttgacag 180
 cattgagacc tttgttgctg atattaattg gaaggtggga tgcaatattg cctcaagttt 240
 ctcaactcaa gcttcc 256

<210> 46870
 <211> 253
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038992H1

<400> 46870

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 tgctgttct tcatagttat tagaccaag gtcacttgt cgtgtccacc tgggcaaaag 180
 atctctaaga ttaaatttgc aagatacatt gncanatgga gattgtggaa acttcagaga 240
 aggaagttgt cat 253

<210> 46871

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 701038994H1

<400> 46871

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 tctctctgct gaaccgggact ctctccgtaa accctcctcg aaccgctcct ccacgcgcca 180
 tggccaagcc cagttttctca actgccaac ctagtggctt ctcttggcga ttttgaatt 239

<210> 46872

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 701038995H1

<400> 46872

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 cattctcatg gtccagaccc tttgcctagt gatcttgaaa cagccacaaa ttcccatcat 180
 gatttactcg cttcttactt aggaagtcac gaaggccaag gcagcaatta tatactcgta 240
 caataagtac atcaatggt 259

<210> 46873

<211> 263

<212> DNA

<213> Glycine max
 <223> Clone ID: 701038996H1
 <400> 46873

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 caggttccgc gagacacgca aggaaagatg ttttgacaag aaaattaggt attccgtcag 120
 aaaagaggta gcacagagga tgcatacgga gaatgggcag tttgcttcct tgaaggaaag 180
 cccagggtta tctaatacgg attctgcaca gagctgggtca agttggcact tctcattctg 240
 aatctgtacg tagatgtcac cat 263

<210> 46874
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701039001H1
 <400> 46874

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 gagaggaacg ctgcattgct tgcaaacttt gtgaagctat atgtcctgca caagcaatca 120
 caattgaggc tgaggagcga gaagatggaa gccgcaggac aactcgggtat gatattgaca 180
 tgaccaagtg catttattgt ggattttgtc aagaggcatg ccctgttgat gcgattgttg 240
 aagggccaaa ctttgaattt gctacagaga ctcatga 277

<210> 46875
 <211> 196
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039002H1
 <400> 46875

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 aaactaaatt gattagcggt gttggatgag ttaccataga atttgttatc tatgggtcttg 120
 taatgcattt attgttacac tgcatagttt tgaagattag tgccgtcatg attttattaa 180
 tgtttcaatt ttactt 196

<210> 46876
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701039004H1

<400> 46876

atggaaaggc gtttttagagt ggaaaatggc aggaagcagc attaacagag gagaaagatg 60
 gtctctcaat ggaatgactg ctcttgtcac cggcggcact cgtgggatcg ggcaactccat 120
 agtgagtgac ttggctgcgt ttggcgctgc agtgcacacc tgttccagga cccaaacaga 180
 gctcaacaaa tgcttacaag agtggcagag tcagggggtt caggtaactg ggctcgctctg 240
 tgacgtgtcc tcaccacccc agagagag 268

<210> 46877
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038971H1

<400> 46877

ggcgttctat atattattga attgacaatg aggcctgctc ttgctttgct tcctcttcta 60
 tttgccttct tgaagttagc tgccactaca gaatcaagaa aagatacagg ggaatattgg 120
 aaaatgatca tgaaagatca ggaaatgcca gaaggacttc aaggtcttgt ttcatttcaa 180
 tctgaaaata accctaagac tcaagagcag tggtaaaggt tccaaaaacc attgtgaaga 240
 gtctctagtt acaaatac 258

<210> 46878
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038943H1

<400> 46878

ctccttcaaa actcatctcg aaaccctaag cactcgctcg ggctcgtgta gtgccaaacc 60
 ctagggctca ttttccagat ctattcagtt tttctctcct ctcttttccg atccaccgtt 120

ggagatcgaa gatggtgtcc gacgccagca agaagaaggc cgcacagaag aaggccgccc 180
 ccgcccgaat gataggtggc aaagctgccg ccgctcgtaa tggccgccac ctcttccaaa 240
 gccgcccaca aggtcgccaa cgg 263

<210> 46879
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038944H1

<400> 46879

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 ccaaattcaa ttcaaactct tctcatcaaa atccaaggct cgttcttgaa accctaattc 120
 gatatcctcc tcctcagaag aagaaggatc gatgtgggca gcttcttgcc tggcgatcatg 180
 ctgcgcggcc tgcgatgcg acgcctgcag gaccgtcatc gggaatcagc cgccgttccg 240
 ccaggatcgc ctactgcgg 259

<210> 46880
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038945H1

<400> 46880

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 tgcaaacaaa tgtgttcacc ggaggcaagg gtgatagaga gcaaagaatc tatctctggt 120
 ttgatccac gaaagagtac cacagatact ccattctctg gaacttgtat cagatttgtt 180
 tctttgtgga cgaggtgcca atcagggtgt tcaaacagca aggacttggg agtgaaattc 240
 ccattcgacc agccaatgaa g 261

<210> 46881
 <211> 264
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038946H1

<400> 46881

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atcgactaa ggctgaatct ttgcagttac atgaatgtgg aaaagttttg gatgatctat 120
tttttgtaa tacttccaag actaaatcag catgattttg agcgctatc aactccaag 180
attgttgaag caagagatgt gcttcttcag aaactgagag aggaaaaatt tgcaagccgg 240
agaacctgaa aaaccaagga ctgt 264

<210> 46882

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038949H1

<400> 46882

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gtcttgcgag agaaagccat gccagagacg aagatttttg gcatgctgtt tggccaaaca 120
ctccattcc aagttcattg cgagatcttc taaagcctgg ccctgcaagt gttgaaatcg 180
atgatcacc tatgcaaatt gaagaaacac agtaccaaaa ccttcttcta taaagcagac 240
cttcatccag gcaaaacaat gagagt 266

<210> 46883

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701038950H1

<400> 46883

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atgtagtaga gtagggtaat tttgtggtgc tttgtttcac gagtaacatc tgcaagaagt 120
cttctccttc accatgccac caaagccttt agactatggg tcaataaatg aaaacgtgaa 180
gaagagtcaa tatgctgtca gaggtgaatt atacccgagc ttctgagctt cagaaagagg 240
gcaaaaagat tatatttact aatg 264

<210> 46884
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038951H1

<400> 46884

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 cttcctcttc tgatttcctt gatcaaaata aggttatgat gttggataag tcaactgccg 120
 gaatctgttt ggatcaaaag ttggatgtgg agaaagaatt aatagagcag gaaatgaatt 180
 tatcttcttc atatgaggag aaaaacgata ttaaggcatt caagtgggtg tgttggagat 240
 gtgaaggaaa atgattcata 260

<210> 46885
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038953H1

<400> 46885

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 ctttggatct ccgatcggag ccttaccat cttttcttga tcttcaagga accctttggg 120
 aactaaaagt ttccaaattg aagaggaaac gataaaaaaa gggcttgctc cggagaggtt 180
 gcgtctgggg gggaagattt ggatcgggat tcgggtgaca tatctgaggg tggttactta 240
 tggcgaaaag ttgggctagt ga 262

<210> 46886
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038954H1

<400> 46886

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 tcaatttttt gtaacatttt atgaaagact taaatatgtt tttgaccct gatatatata 120
 ctgcaatttt gccataatca attacaaagc ggcattctat gttttgacaa aactcaagcg 180

tttacgctct atgctagcca agcggatcaa tattatcagc agtttctcct tcaacccatg 240
 ttatagattc ctgctctaac ag 262

<210> 46887
 <211> 255
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038955H1

<400> 46887

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 gctctgatca cttttgtctg cattacaacc tgagcctcag atctgatctc ttgatccaca 180
 aaaccatggc tgaaaagggtg accatcatga aacaagggtg accttgagtg tgagaactgc 240
 tacaagaagg ttaag 255

<210> 46888
 <211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038956H1

<400> 46888

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 cctgacccca acctctacta caagccagtc atcggaatcg tcagccatcc cggcgacggc 180
 gcctccggcc gcctcagcaa cgccaccggc gccttacatc gccgcctcct atgtcaaatt 240
 cgttgaggcc gccggcgccc gt 262

<210> 46889
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038957H1

<400> 46889

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 tggctaggct catgaggaac aaggagacca aggagcttgt tgccatgaaa tacatcgagc 180
 gtggccaaaa gattgatgag aatgtggcca gagattatca accacagatc ccttcggcac 240
 cccaatataa ttcgct 256

<210> 46890
 <211> 258
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038958H1

<400> 46890

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 ttcgtgttcg ctggtgttgg atcagccatc gcttacaacg agcttacaaa agatgcagcc 180
 ttggatccaa cggggctggg ggcagtagct ggcacatgca tttgcactgt ttgtaggtgt 240
 ctccgtcgcc gccaacat 258

<210> 46891
 <211> 256
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038961H1

<400> 46891

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 aaggattcta tttgtagggt agtggcactt tcaaagagtt tctttctctt ttaaaaactc 120
 gttaatcttt tatgtttact gttaacagct cgagattacg aattttctgat ttctgaaaaa 180
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
 gggggccccc cctttt 256

<210> 46892
 <211> 260

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038962H1

 <400> 46892

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 ccataaccat agcttttggtt gagttgaggg atttgattat ggataagtat gaggctgtca 120
 aggatttggg agctgggaat tttggggtgg ctaggctcat gaggaacaag gagaccaagg 180
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 attatcaacc acagatccct 260

<210> 46893
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038963H1

 <400> 46893

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 ctgtgaactg agatggctgg aggtgttatt cggcagttat ttaggaggaa actccaatct 120
 cattctccta attcttcttt taagtcattc attatcacia agaaagatgg tgctgactct 180
 attggcaaca actccttaag agtgcttgca ttagttagct ggtgtctcag ggtttctagg 240
 ttttgcaaca acagcatttg ctgat 265

<210> 46894
 <211> 265
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038964H1

 <400> 46894

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 gagagggagg aaacatggct acggcgctcg cgtcggcgctc gtgggaggaa ctgacgctga 120
 aagtgaaatg gagcggcaac gaatacaccg tccgcgtctg ctgcgacgac accgtgggag 180
 aactcaaacg tcgaatctgc gagctaacca acgtcttccc ttcgccagaa gctcttgtac 240

0953113-032200

cctaaactcg cttccaaact cagcg

265

<210> 46895
<211> 261
<212> DNA
<213> Glycine max

<223> Clone ID: 701038966H1

<400> 46895

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tgttgtttga gggagatggg ggaggttact acacttgggt gagttctaaa gtgccactgc 120
tgccaagac caatgttggg gctggctggg tagtgcttca gcctcagggc tttgctattc 180
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atggccctcc gcaacagtac t 261

<210> 46896
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038967H1

<400> 46896

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tgcatttccc aaccttcctc caatggcttc tgcttcctta atcaactcgt tgacttggtc 120
ttcgcgtgct cccactcagc actgttccac ttccaccgc accaccgccg ccacgtcact 180
gagacaattt aacagccact gtcggagacc acgcgacgag gatctcgccg ccttccaccg 240
ttgtctgcaa agctgtctc 259

<210> 46897
<211> 259
<212> DNA
<213> Glycine max

<223> Clone ID: 701038968H1

<400> 46897

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gcgcacaaaa cagccccagt caattttctt ctctcttcta agacacacca atgccagaga 120
 agaagaacaa gaaagtttct ttcaccgaag aagatgctgt tacgctcatg cagaggtacg 180
 acgcaactac ggtgttcaact ttacttcagg atggcgcatt accctcacc caagattgat 240
 tgggtgcgagt tgggtgaaga 259

<210> 46898
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038969H1

<400> 46898

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 cagagatata cataggcccc agaagaacaa attgctacaa cctattttga tttgagatct 180
 gtctgtctct ttggtttcac ttcagggctc agtgaggaat gcgaagaaaa tggggaggaa 240
 aggaaatagt tggttttct 259

<210> 46899
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038970H1

<400> 46899

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 tcatctcctt ccaatggctt ccattcccac actctcttca tccctaccta cactctctgc 120
 tcaactctta tccattcaa accccaacaa ccactgcact ctccctccca catctctctt 180
 cggcaccagg atcacctcc tacgcgccac cttcgtctca tttccctccc aacaccaatt 240
 gccgtgcaac ctgagccacc g 261

<210> 46900
 <211> 260
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038942H1

<400> 46900

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 tcgttaattc acttttccttt gatgtattgc gcagttttaa ggagagtttt gatcaggcga 120
 tacatagaga tgatgtcaat gcaattgttg ttacagggtgc gaagggaaaa ttttctggag 180
 gttttgatat ttctgcattt ggtggtattc aaggcgtgag agcgtccaaa acctggttgg 240
 atatcagtag gagtcatcac 260

<210> 46901

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038914H1

<400> 46901

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 tctccattcc ttcaaccttc ttcttctctt tgatctctga tggagacggt ccgtgttttag 120
 tagcaaggggt tagttgaggc cttgtgtttg gaaacgtacg gtgtcgtttt ggagttggga 180
 aaacaaataa ttctgagaga tggcaaccac gaaccttta tttgttgggt gacgacgctg 240
 aggaccttc tcagctcatc gccgccg 267

<210> 46902

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701038915H1

<400> 46902

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 ttgtcgaatt tcgctagtca aattaatttt cataattatt ttttcttttg aaaccagcca 120
 agaggggttat ttttgatccc tcaaagctaa tttctctctc tcttttttta tgtccgggac 180
 tgaagagggt gtctatttga catctccttc atcctttcct tttgtagaaa actttttaaa 240
 tttttttgtc agtgggtggt ttaattaacc a 271

<210>	46903
<211>	270
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038916H1

<400> 46903

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tgttatgaga ttcttgcagc gggtgacgtg ctgggagtat cgccagcaac cttctattgt	120
ccgtttgaca aggtctactc gccagataa ggctcgtcgc ttggggttca aggctaagca	180
gggttacgtg atttaccgtg ttcgcgtacg aaggggtggc cgtgagacca gttccaaagg	240
gtattgttta tggtaagccc accaaccaag	270

<210>	46904
<211>	269
<212>	DNA
<213>	Glycine max

<223> Clone ID: 701038918H1

<400> 46904

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gaataatgga	ttggggaaac	gtaaccgcgg	aggatctgat	cgacgcgctc	cgcgagggtcg	180
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<223> Clone ID: 701038920H1

<400> 46905

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 <223> Clone ID: 701038921H1
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 <223> Clone ID: 701038922H1
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 gaagcctaag ggaccacttg aggctcttcg gcctaaatta cagccaacgc agcagcaaac 180
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 <213> Glycine max
 <223> Clone ID: 701038923H1

<400> 46908

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 acctccctct ctcaccggga ttgattctcc atggacgagt atctctctct ctgtcttcaa 180
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<210> 46909

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<212> DNA

<213> Glycine max

<223> Clone ID: 701038924H1

<400> 46909

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 aacataccat actctctgct tattagtcac tgaacttccc ttctgtaatg ttttcaaagg 180
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<210> 46910

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701038926H1

<400> 46910

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 <223> Clone ID: 701038927H1

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 acttaaaact cttcaactag agtacttgga cctgtatctc atccactggc cctgagttc 180
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 <223> Clone ID: 701038928H1

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 aactcaatga atgcggaatc accgccgggg ctctcatgt cggtttcctg cctctccgac 180
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 <223> Clone ID: 701038929H1

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<223> Clone ID: 701038930H1

<400> 46914

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agagataacc cgaattggac gtctgataac tggcaacgaa atgaaagtga tagaacatgg 180
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<212> DNA
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<223> Clone ID: 701038931H1

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ggtgaaatcc atggaagagt tgtttgtgac gtttgtgggg attcttctct tggacctgaa 180
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<210> 46916
<211> 272
<212> DNA
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<223> Clone ID: 701038932H1

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 accacaccct cccaaccgac atcaccaagc catcacaatt accaatcttg accaggctcc 180
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<223> Clone ID: 701038933H1

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<223> Clone ID: 701038935H1

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<210> 46919
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<212> DNA
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cctctttgca acacaacttc atcatgttca aaaccttact gatagagtac atggaaccaa 180
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<210> 46920
<211> 263
<212> DNA
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<223> Clone ID: 701038938H1

<400> 46920

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gagttaagcg gcgaacacaa cgcagaatcg gcggcagaaa ttgccaccgg aagcacgtcg 180
aagaggtgtg aaccaaacac aaaattccat ccaccttctc ttttcaatcc ccaactcaga 240
tctgtgaaga aaatctcaat ttc 263

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<223> Clone ID: 701038939H1

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agatgacggc ggcggcgctg cggaagcggg tcgaggagaa gaacccctcc gccgtgtcgg 180
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262

<210> 46922
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<223> Clone ID: 701038940H1

<400> 46922

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ccttatagca ctaattggat caactcaagc tcaattgcag cttggtttct atgccaaaag 180
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actatggagc tcaaccttcc atcatccata gggatattaa ggctagtaac attcttctgg 180
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<223> Clone ID: 701038913H1

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<223> Clone ID: 701038865H1

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<223> Clone ID: 701038871H1

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ttgatataa 189

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<210> 46937
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<210> 46939
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<223> Clone ID: 701038878H1

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<223> Clone ID: 701038882H1

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<210> 46942
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<223> Clone ID: 701038883H1

<400> 46942

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<223> Clone ID: 701038884H1
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ac 182

<210> 46944
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<212> DNA
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aaa 183

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<210> 46947
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 <213> Glycine max

<223> Clone ID: 701038901H1

<400> 46949

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 gctgcttctg tggagggagt agaagcaaaa ctgtggcagg tacctgaaac attgcctgaa 180
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<210> 46950
 <211> 259
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038902H1

<400> 46950

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 gaaaaaccag cccaacactt cctgttcctg cctttactgt cataagtggg ggaaaacatg 180
 ctgggagtaa cctggccatt caggaaatca tttctccaa tcggagcaag caaatttgag 240
 gaagcattgc gaatgggca 259

<210> 46951
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038854H1

<400> 46951

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gatgcaacga ggaatgcact gaaaattttg tcacatggta aggatgatgg aagtgatact 120
 ggtagaggaa gagaatatgg agggagaggt gggttggatc gaggcagggg cagaggcaga 180
 ggcaggggaa gaggtcga 198

<210> 46952
 <211> 261
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038904H1

<400> 46952

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 gtcggcggtt tatatgcat tctttcatcc tcaacctctg ctagctctgt gatggctgtg 180
 ccgtttggca gcgcacggcg tgagagcaaa gaacgtggat ggtggctccg ggtctcatcc 240
 tcgcatggt tccaccacgg t 261

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<223> Clone ID: 701038909H1

<400> 46953

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 taacttcact ggtgaagggg gtgtttcatt ggctatgtac aatactgatg agtctattcg 180
 ttcttttgcc gaggtttcta tggcaactgc tttagagaaa gtggccactt tatcttagca 240
 caaaaaatac aattctcaag aaatat 266

<210> 46954
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038911H1

<400> 46954

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 tataaccatt gacagatatt caaattcagc ataattgtga ttaagatttt ggtccttccc 180
 tggaatgaaa atactgtttg tcaataaatt tgggagtgat ttgcggttat atttaatggg 240
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<210> 46955

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701038912H1

<400> 46955

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 ttccacacac aacttgtaaa tgggttccag tctactgacag cagagttatc acattacatt 180
 cctgccattc tctcagagct atgacaagtg tttgctctta tattttgctt cgatttgctt 240
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<210> 46956

<211> 211

<212> DNA

<213> Glycine max

<223> Clone ID: 701038819H1

<400> 46956

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 tttgggcaaa aaggtatccc atacttgaac acctacgatg gtcgcactat ccgctaccca 180
 gaccctctca tcagagctaa tgacaccatt a 211

<210> 46957

<211> 209

<212> DNA
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<223> Clone ID: 701038821H1

<400> 46957

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 aaacatttag aagtcttggg aagcgcatat ttgatatcta tggtcaggga aaactgattc 180
 gcaaaaattt tgatatagag aatgagaca 209

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 <211> 212
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038822H1

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 agaccctctg ctctgcattg gtgttcccat ctttcagaat cagaacttca gctttctcca 120
 aatgtggcat cagggcttcc attgccgttg agcaacaaac ttcccagact aaggttgctc 180
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<210> 46959
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 <212> DNA
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<223> Clone ID: 701038823H1

<400> 46959

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<210> 46960
 <211> 109

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038824H1

<400> 46960

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<210> 46961
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 <212> DNA
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<223> Clone ID: 701038825H1

<400> 46961

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 tactctgcat gaacataaca ttcatactta agttttgctg gttgtgtgtg tgttttttgt 180
 tcttggtcga gccttggtact gattaacgag a 211

<210> 46962
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038826H1

<400> 46962

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 gcattacttt ctgagttctg atgggcaatt tttatgtatc ttgagagttc aaatagacat 180
 tcaaattatg tgctagtatc agtattttta 209

<210> 46963
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<223> Clone ID: 701038827H1

<400> 46963

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 atctgcccct gacttcacat gcaagaaaga cacaaggag gctatcattg aggccgtgaa 180
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<210> 46964

<211> 99

<212> DNA

<213> Glycine max

<223> Clone ID: 701038828H1

<400> 46964

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<210> 46965

<211> 179

<212> DNA

<213> Glycine max

<223> Clone ID: 701038829H1

<400> 46965

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 agtggttaaaa aacttatect tctcttttta ctttgtaaaa aaaaattgaa ttttgctaag 120
 gaatatactg tgcatactct ttgggtattc tagtaaagtg atgaaagcct tcatggttc 179

<210> 46966

<211> 209

<212> DNA

<213> Glycine max

<223> Clone ID: 701038830H1

<400> 46966

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aggtttttgc aagcttcaca tctcgtattc gcgtcattct gatcttagta taaaggtgaa 180
 taatgataga cgtagagact atactattc 209

<210> 46967
 <211> 206
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038831H1

<400> 46967

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 aggttggttgt tgcagctgag ccagctgctg ccatcccagg cgagcctatg gatatcatga 120
 ctgccttgca acttggtgctc agaaaatctc tggcttatgg tggctcttgca cgaggccttc 180
 acgaaggggc aaaagtgatt gagaag 206

<210> 46968
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038832H1

<400> 46968

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 gcggagggcg taccggaggc gaattgctcc gccaaagccca ccaagcaggc cgagggcctc 180
 cgccactact attctctcaa catccacgag 210

<210> 46969
 <211> 216
 <212> DNA
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<223> Clone ID: 701038833H1

<400> 46969

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taacggatga gatgatcggc atgaccgttc cgagaaaggc tcgttgagca tctgcaaaaa 180
 ggtttcacga aagttggatt tccgcaagca gcggtg 216

<210> 46970
 <211> 214
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038834H1

<400> 46970

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 acctatgacc actgtggaat ggtacttggg gttcacctgt gtagctgtgg tgctatcaca 180
 gttgccaaac tcgaattcca ttgctggggg gtca 214

<210> 46971
 <211> 210
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038835H1

<400> 46971

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 tctgtcccg aaagaaatcc ggcgatgtct gccgcaccgc tgtccatgta cttgccggcg 180
 cccagactta tagtgagacg gttggtcaca 210

<210> 46972
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 <212> DNA
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<223> Clone ID: 701038836H1

<400> 46972

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catggtgctt tattcctaatt ttttgtgggg gtggttctca gctacctagg attcaggtca 180
 cagatcctgt tgcaagatat tatggattga ag 212

<210> 46973
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038837H1

<400> 46973

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 acccctccta gcagcagaac cagagccagt ggttgataag caaggggaacc ctttggagcc 180
 aggagtaggg tactacgtgt ggccactttg ggc 213

<210> 46974
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038839H1

<400> 46974

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 tgaaaaacag caacaacgac caccctgtct ttgttttttg ttttttggtt gttgagttga 180
 aacttttagag aaagtgaata gtgatatgga gg 212

<210> 46975
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038840H1

<400> 46975

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09531113.032200

ggagcggatg ggaggggatt tcaagccctt ctcggagggc tcttcgtgct cgcgttcgat 180
cagcgaaacc gtgaacggct cgcaccaatt ca 212

<210> 46976
<211> 199
<212> DNA
<213> Glycine max

<223> Clone ID: 701038841H1

<400> 46976

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ggtaaggaaa aggttcacat cagtattgtg gtcattggcc atgtcgactc tgggaaatcc 120
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tttgagaagg aagctgctg 199

<210> 46977
<211> 199
<212> DNA
<213> Glycine max

<223> Clone ID: 701038842H1

<400> 46977

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gccgcccga cgtgtcgggtg tctgcaccc tctccggcaa cggcaccgac gacgaggtcg 180
agagggccct ccacatgga 199

<210> 46978
<211> 196
<212> DNA
<213> Glycine max

<223> Clone ID: 701038843H1

<400> 46978

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tgctactact cactttgagt cgaccgtgga tgacgttctc aacatgtata cattgataac 120

tggaagagta agtggtatgc cttggttacc acttggttcc acttcttgaa ttaatttttg 180
agccacagat agtgac 196

<210> 46979
<211> 198
<212> DNA
<213> Glycine max

<223> Clone ID: 701038845H1

<400> 46979

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gggtgaaggc caattagtag agaatttcta cagtttatct tgtccaaacg tggaatccat 120
cgtgaaagaa gcagtgacta acaagtttac acagaccatt acaactggac aagcaactct 180
gcgtctcttt ttccatga 198

<210> 46980
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038847H1

<400> 46980

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gacagtgaat atgctgcaaa tctgaaagcc ttcaagtga aggacctcag taaattgaac 180
accacaaaaa ttgaga 196

<210> 46981
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<212> DNA
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<223> Clone ID: 701038849H1

<400> 46981

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caccagtgtt ggagggatcg ttgaccaagg cttaggcttc ataggcagtg cagtcgatgc 180
acttactttt gcagcca 197

<210> 46982
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038818H1

<400> 46982

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ttgacccact ttagaaagtc catctttctc ctctaatacag aaaccaggtg aatcaatgat 120
aaatttgatc ccatgaacat atttcagctg gacatttga actgggaatg acttgatgc 180
attcaaatca agtagcattt tgttaaaaa 209

<210> 46983
<211> 197
<212> DNA
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<223> Clone ID: 701038850H1

<400> 46983

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ttgggagaag gaaaatg 197

<210> 46984
<211> 195
<212> DNA
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<223> Clone ID: 701038851H1

<400> 46984

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aggcaatcag ctctg 195

<210> 46985
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<212> DNA
<213> Glycine max

<223> Clone ID: 701038853H1

<400> 46985

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cgaagacaag tttgatccta ttttgagaat cgcattcaga tggaaagcgc atcagagctt 180
gtggaattcc cgttggtg 198

<210> 46986
<211> 236
<212> DNA
<213> Glycine max

<223> Clone ID: 701038772H1

<400> 46986

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gccaaatcca ccacctttgg cacctcttcc tgtagttgct cctgatgctc gaacacaaga 120
gatgataaat gaaaacctga agaaggctga ggatcttggt gagcaaggaa tggttgatga 180
ggctcaaaaa gcactggaag aggctgaagc acttaagaag cttcctgcca ggcaag 236

<210> 46987
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038773H1

<400> 46987

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gtgtgggaca gggttatagga gtagttgtgg ccgataactca tgaaaatgca aagattgctg 180
cacgaaaagt tattgttgag tatgaagagc tcccagccat cttttcaata c 231

<210> 46988
<211> 229
<212> DNA
<213> Glycine max
<223> Clone ID: 701038774H1
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tactcgtact tcagtagaaa actttcagaa gggatatttca gtcataaaat ctcagggagg 180
gaaaatccta accggtggat ctgtattaga gtcgggagga aattttgta 229

<210> 46989
<211> 230
<212> DNA
<213> Glycine max
<223> Clone ID: 701038775H1
<400> 46989

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tgccaaacct cgctgaaaat tagggtttcg tttcggaggt agacgaagat gttcgggaagg 120
gcaccgaaga aaagcgacag caccaggtac tacgaaatcc tcggcggttc gaagaacgct 180
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<210> 46990
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<212> DNA
<213> Glycine max
<223> Clone ID: 701038776H1
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cagacggatt cccactgata ttatttgtat atgattacac aaccagctac tactgacaac 180
 atcatgttca tgctctttgt tttgtagatt cttagtgttt taagtttcat ctgc 234

<210> 46991
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038777H1

<400> 46991

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 cgatcggaaa cctagtgcgc cgttggtgcg gcggtactcc atttcggcca cgtcggttct 180
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<210> 46992
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038778H1

<400> 46992

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 cgctaccgcc tcgcggccga gatcgcgagc tcggcgctcc agggcgtgct cgcgcactcg 180
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<210> 46993
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<223> Clone ID: 701038779H1

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gctggtggac ctggttaaagg gatgtattca cggctatatc tcaatgttct gaatgaatat 180

ccacaagttc attcaatttc agcattcaac aatatttaca atggcactgg cattttt 237

<210> 46994

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038780H1

<400> 46994

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gtcaggttac taaagataaa caggatgcta atgttcagat ggaaatatcc agttcagtta 180

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<210> 46995

<211> 236

<212> DNA

<213> Glycine max

<223> Clone ID: 701038783H1

<400> 46995

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agctatgcc acaaattcaa ccaacacagg gtcgtcaaaa cccctggtgg gaagctcgtt 120

tatcagacca ccaagaagag ggccagctgg cccaagtgcc ccgtcactgg caagaggatt 180

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<212> DNA

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<223> Clone ID: 701038784H1

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gacaggaata atgcatcgca attcacttaa aagatcaaat gatagtaccc ggattatcat 180
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<223> Clone ID: 701038785H1

<400> 46997

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 ttcgtgttcg ctggtgttgg ttcagccatc gcttacaacg agcttacaaa agatgcagcc 180
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<223> Clone ID: 701038787H1

<400> 46998

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 cggagaactc tccgccgctc cgttctttga ccttcgaat tccaatgact tcgatgggtt 180
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<223> Clone ID: 701038788H1

<400> 46999

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<223> Clone ID: 701038790H1

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<223> Clone ID: 701038791H1

<400> 47001

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<223> Clone ID: 701038793H1

<400> 47002

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aacaacagtt tccaacttgc caattgctat gtcaagaccc aagattcctt catcacaaag 180
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<213> Glycine max

<223> Clone ID: 701038796H1

<400> 47003

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ttggcagtaa ggtcccaact gacaacagac ttttataaat catcatgtcc taacgtttcc 180
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<210> 47004
<211> 213
<212> DNA
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<223> Clone ID: 701038801H1

<400> 47004

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catagcagca aaaagtaaac agaactgaac aactagtaat ggaagatact agcttctttg 180
tgatcttacc atcctttctg cttctcatag tta 213

<210> 47005
<211> 93
<212> DNA
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<223> Clone ID: 701038803H1

<400> 47005

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 <223> Clone ID: 701038804H1

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 gaagagagag accagtttga agaagcaaac aatcagatag ttgaacacct gaagataaag 180
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<210> 47007
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 <223> Clone ID: 701038805H1

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 ctgaggttat ttcagcaatt tttgctgaag tgatgcaagg gaagccagag ttcactgacc 180
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 <223> Clone ID: 701038806H1

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 aaggtacacc catg 194

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<223> Clone ID: 701038808H1

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 aagagcaatt ccatgaccgt tggcaagtac caaatcgta gccccaacga ggggtcaacct 180
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<210> 47010
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<223> Clone ID: 701038812H1

<400> 47010

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<223> Clone ID: 701038813H1

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<223> Clone ID: 701038814H1

<400> 47012

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<223> Clone ID: 701038816H1

<400> 47013

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<223> Clone ID: 701038771H1

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 gggccatgca aggccaaa 138

<210> 47015
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<223> Clone ID: 701038738H1

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tcggcgccgc cgacgcgcga ctcaccttgg acttctacaa ggacacgtgt ccgcagttca 120
gccagatcat aagggacacc gtcacaagca agcagatcgc cagccccagc accgccgccg 180
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<210> 47016

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038739H1

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tgtggacata ctgctatcac atatgcacca agctgtgaat cagcaagagc agaaatatgt 180
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<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038740H1

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attgaggccc catcattact caagctatga tagggaaaga cggctctata gagatattag 180
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<210> 47018

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038741H1

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<210> 47019

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<223> Clone ID: 701038743H1

<400> 47019

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<210> 47020

<211> 236

<212> DNA

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<223> Clone ID: 701038745H1

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<210> 47021

<211> 237

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<213> Glycine max

0953113.032200

<223> Clone ID: 701038746H1

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caaaaacagt tatccagata cgaagtcatg cacagaagta ttttcttaaa gttcagaaga 180
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<211> 241

<212> DNA

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<223> Clone ID: 701038747H1

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tccaacactt tcttccttct ctcttgtttc cttctcttct gtctcctctc agctccttcc 180
tgtgtttcca tgttctctgg tattgagaca ggagatttag agaaaagaga tgatttggtt 240
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<210> 47023

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 701038748H1

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atatgatcct ttcctgaacg gacgctttcg tggacaaatc gaaaatgttt tttcaacctc 180
aatccaatat gaaaaaaatg aaaaaaaaaa taccattttg ataaataaaa ttcatgggat 240
cctta 245

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<223> Clone ID: 701038749H1

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<212> DNA
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<223> Clone ID: 701038750H1

<400> 47025

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gggaatcaag gttatggata tgggtgggtat gctggatatg gtggaagtga tagttcttat 180
gggaattcaa gtgcatatgg tactgttggt ggacgtactg ggagtgggtcc aaacagta 238

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<223> Clone ID: 701038752H1

<400> 47026

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ctaaacttcc tcaattcaag ggggtatcaa aatctgctgg ttggtttcat caatctgatg 180
gaggaaaatc tgcctcccggt atttaggttc caccctacag atgaagagct catca 235

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<212> DNA
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<223> Clone ID: 701038753H1

<400> 47027

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 tgggacttca atttccacat cagcacagta cttggacgac aagaaatcaa cagttgacca 180
 tgatgataag agaaatatac aggatgagta tattaaggct tattatgctg ctttg 235

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<223> Clone ID: 701038754H1

<400> 47028

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 ctccagacct acatccaccc cgactcccaa cccaatcca acaatggcct ccgagccgcc 180
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<223> Clone ID: 701038755H1

<400> 47029

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<212> DNA
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 <223> Clone ID: 701038756H1
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 <213> Glycine max
 <223> Clone ID: 701038760H1
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<212> DNA
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 <223> Clone ID: 701038762H1
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 <223> Clone ID: 701038763H1
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<210> 47035
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 <212> DNA
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<223> Clone ID: 701038766H1

<400> 47036

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 ctagccatag agttcgtcgt gagcgtcgcg gaaacagtgg tcatagttca acagagaaac 180
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<223> Clone ID: 701038767H1

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<210> 47038
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<223> Clone ID: 701038768H1

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 agacaaccta cttcattcgg tgcaagccat ctgataaaat tcttgacata aagcagaagt 180
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<223> Clone ID: 701038769H1

<400> 47039

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<223> Clone ID: 701038770H1

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 tggttgagga agatattgta atcatgaatg ttgaagaaga gggtcagcgt ctcagccaag 120
 aaatcaagag gcttggttaag gtccaagcag atggttctta caaggaaca tttggaacac 180
 tatttaacga tgatgagtgt gcaaataat ttgaagcact tggtggaaca ctaa 234

<210> 47041
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038737H1

<400> 47041

atttcaacca gtattttggtt acatttaaatt tggcatcttc cccattttac attgacctga 60
 gattttcaaa ctttggtatc atctagcaaa ggaatagatt aaataattga agttccatat 120
 aaacttaggt tactggtggtt gtttggttaa gtgcttctaa gaacacacga ctggatactt 180
 gattctcatg acataaattt cctagcttga aggaaagaaa taattttctg agtttat 237

<210> 47042
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038690H1

<400> 47042

tctagatcgc gagcagccga cctttttttg tactgtactt gtccaatgtg atgactaagc 60
 caaggtagat ctgttctatt atagtattat ctgtcacata tatgatatat gctagactta 120
 cgtacaattt agttttattt gtgtgccggg tgtgtgaaag gaaaaaaaaa caagtcaaaa 180
 ggtgttctgc tgcacttgaa tccagtgtcg tatctgtgtg tgctgctttt cttttctctt 240
 tc 242

<210> 47043
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038691H1

<400> 47043

gcaacacaca cttcaattta tcagcatggc ctccgttcag tgccacaaaa cctgcaaagt 60
 gagctgccaa caggaaaacc agcacgcctc gtttgggcag aaagtttctg acttgttcaa 120
 agggcatcaa cataatgacc acagctccaa ttatgccacc caaaccaaag tgctttccca 180
 gtcagggcca gggttaggcc ccttcaccac canaactcaa acacaatgcg gttggcccc 239

<210> 47044
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038693H1

<400> 47044

cttttgcatt gatcggatc ttttgagaag atgggaacag tgtggcagga tcaaagactg 60
 ttcttgctgt tggacctgga ccaaatctt ctgtggattc ggtgactggg agattgcccc 120

tgctttgaca gcattcaaga agcatgtgct aatatgggtca aatcacctga gcttggtgcc 180
 acttggtctg tgttctaacg cattatctag cattcggttg ctgattcggg agttatagtc 240
 ac 242

<210> 47045
 <211> 244
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038694H1
 <400> 47045

ctcagatcta tataattcag ttcttcttat tctccactaa tagcttcttc ttcgggtact 60
 tgagaccttg ctgcaaagggt tctctcttag cttagtaaca atggggttga aagcactttt 120
 tgtttggtgc attatatggt taggttttagc acatttgtcc cttggaggaa gagtgaggca 180
 ctacaagttt gatgtggagt acatgatcag aaagccagat tgcttggaac acgttgtgat 240
 ggga 244

<210> 47046
 <211> 242
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038695H1
 <400> 47046

agcaaattaa tcaaacatgg ctaggggttag tgctttgttt cactctttgc tcttgatttc 60
 ttcccttgta ttggcttctc aaagccatgt ttctctggg aaactagtcc ctggactatc 120
 atggaattac tatttgttga catgtcccaa gcttgagagg attataagga agcatcttga 180
 ggatgtcttc gagaaggaca gtggagtagc tcttggcata cttcgactct tcttccatga 240
 ct 242

<210> 47047
 <211> 198
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038701H1

<400> 47047

gcgcagtcgt ttgattgtga agtgagttcc gattgagcac gtcttggagg caacgacgtc 60
 tacggcagct cctcggttgg gggttaagtcg cttgtccttt cagtccctcg atgagtcgcg 120
 caacccttaa aaagcacttc ttagttctcc ctctccact aataaacata gtcattgctag 180
 atattaatta acatcagc 198

<210> 47048

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038702H1

<400> 47048

agcataccca aaaaagaaaa agaaaaaaag aatgggtggt gcatagcgag ctgcgagaat 60
 ctatctgctc ctgttgccgc tagtgggtctt gagcggtgaa tgattcactt tcaggaacag 120
 aaaagccctt gacgctagcc atcgctcgctt ttattgatag aaaaaagaat acaacatata 180
 ttattttttc ccactacctt tttccttcac cacccttttg cttctccctg aattaccggt 240
 attgggt 247

<210> 47049

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038705H1

<400> 47049

caactttcct aacttttagca accatctaag aagttcagtc ccttaattat ctctcacctt 60
 gaattagaaa agcattcaaa gctttgaacc caatttcact gtttgcacct caaacatctt 120
 agaagtccca attgagtctc aattccacaa ccaaaaatgc acagttcaat ttcacaatct 180
 gatattttta tcaactgatta cttgtaccc caagaagttc catttcaatt tcaatttcaa 240
 gat 243

<210> 47050

<211> 240

<212> DNA

<213> Glycine max

<223> Clone ID: 701038707H1

<400> 47050

cttaaataag caaggtgcat tttagtggaa aatttttcac ctttattgga tcagctttga 60
gggtaaataa aaagatgatg agagggtagt tagaaactcg taaatcagct agactctaag 120
cgttgttttt cttgactaaa catcttactg tcaattttat tttttttgga ttttgatttg 180
agaaaattaa ttgatgtcaa gtgcatttga agacagttta taattattga ttttaattaaa 240

<210> 47051

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038708H1

<400> 47051

gaaaattgaa caattctgag gctatcacia aaaataaaca ctgagaaagg agagaaggct 60
gtgcttgagg catatccttg atgggaaata acaggttttag actgtcagat atgatgccaa 120
atgcatgggt ttataagctc aaagatatga gcaaatcaag gaagagaaat gttcctcatg 180
ttatgaagaa caaagtagcc tcaccaacaa catcacaaag gtcacagcca agatactctc 240
att 243

<210> 47052

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 701038709H1

<400> 47052

ataacaccca ccaaagaacc atggctaccc agttcctcaa atccctcctt ctcctctcca 60
ccttaaccct aaccatctca gcagaatata caggctttgt gggcacaata gacccaaagt 120
ccataggcat aaagcacaag aaaaccctaa gccacttcag attctactgg cacgaagtct 180
tcagcggaga aaaccccaca tcggtttagaa tcattcccgc actccccaaa tacaacacaa 240
cca 243

0022E0"ETFE560

<210> 47053
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701038711H1

<400> 47053

ctttttctta cgttatcatt gaaaattaag ttacaaactt ccgtccaatg tttctgtgta 60
agccgagtga cacagttttg tttagacaat cagaagacat ttttggcgcg taatatatct 120
gggttttgtt cagaacccaa aatcagattt gcttgcttaa aaaaaaaaaa aaaaaaacia 180
aaaaaagggg ggcccccgca tagtgacctc ggtcaccggg aattttatttc gggaccgg 238

<210> 47054
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038712H1

<400> 47054

gttcggttg gacaaggatc ttgccaagaa aatctggtgc tttggccctg agacccttgg 60
tccaacatg gtggttgatt tcattcaaact actggactcc cttgcacata tcaaccacca 120
tgttgggtcc aagggagtcc agtatttgaa tgaaatcaag gattctgtgg ttgctggatt 180
ccagtgggca tcaaaagaag gtgctttggc tgaagaaaac atgagagcca tc 232

<210> 47055
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701038713H1

<400> 47055

tccatggttg ggctttgaaa gtcactaaga agatgaccat atcttttaaac cccatcgtca 60
gcttcagctc aacgaagttg gaaacaaagt atcaggatgc atcaagatat tctgttggag 120
cttctttacc aaaggcaacc cagtttacac ctttgttgat agtgtctaga tcgagaaagc 180
ttgtcaagga aagaagattt ggtccttggt tttcagtggc agatagtgat cagcttgcag 240

c

241

<210> 47056
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038715H1

<400> 47056

cctcgagcga atcgggctcgg ggctcgagtg cgtttcattc tgaacgaaaa ttgcactctg 60
 aaaaattcaa gaatcagttg gtcaatcaga gtacttatgc taagcttgga tgcacacaag 120
 gatgggtttt tgctcctctg ttccatectc cttccagcaa catagcacat cttgcaaaag 180
 taaaagtcac gaaaacgcat ggtgggtggg aagacttgca aattccttcc agcatcaggt 240
 ca 242

<210> 47057
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038719H1

<400> 47057

actcactaac atcacaactt ctctctttct acacaaataa ctctcaaca gtgtgagcag 60
 ttgataagag agatgatgat caacgtgaag gaatcgacca tggcgcgcc gccggaggag 120
 gtggcgcgcc ggggtggtgtg gaactccaac gtggacctgg tggccccaa tttccacag 180
 cccagcgtct ctttctatag gtccaatggc gccagcaact ttttcgacgg caaggttatg 240
 aag 243

<210> 47058
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038720H1

<400> 47058

tgcttagaaa agctatgttt aaggggaaac aattttgaaa cactaccag cctcaaggag 60

ctttccaaac tggttacattt aaacttaca cactgcaaga gattgaaata ttgcctgag 120
 ctcccttcac gaactgatgt cccatcacca tcaagtaaca agctgcggtg gacaagtgtt 180
 gaaaatgagg aaatagtatt gggattaaat attttcaact gccagaatt agttgagagg 240
 ga 242

<210> 47059
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038721H1

<400> 47059

cggaaccgca cgcgagggtc tcggtcgaac cggcctcgga ggtttccaag gtcgcactcg 60
 accggggcact cgctgggtcca accggggagaa aacactgacc ggttcacttt gaggttgctt 120
 ttggagggtga ggaagcaatt aataaaccgc caattgcaac gtgcgagtag cttgatcgtg 180
 ttaccaggg aaggtagttt gcggcagggt taccgaaccg gaggagaagg gagtagtag 239

<210> 47060
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038723H1

<400> 47060

ctcaaagtct ggggcttcaa tgacctgtgc tggttgccag ggtactggca tgaaggtgtc 60
 tattaggcac cttgggtcctt ctatgattca gcaaatgcag catccttgca atgagtgtaa 120
 ggggtactgga gagacaatca atgacagaga cagggtgcaa cagtgcagg gagagaaggt 180
 tgttcaggag aagaaagtac ttgaagttgt tgtggagaag ggaatgcaga atggacaga 239

<210> 47061
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038724H1

<400> 47061

gaaacatttc actaatagcg agacataagc ataatttga gaaataatgg agggttgtac 60
 ttatcgtggg aagttgctat gcctttagg ggttgtggag cttgtgagta ctattgcagg 120
 ggtggagagt gctggtgaat gtgggaaatc taccatccca gataatgagg cttataagct 180
 tgcaccatgt gcctcagcag cagaagatga gaatgctagt gattctcaga gttgctgtg 239

<210> 47062
 <211> 236
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038725H1

<400> 47062

ggtatacggg gatattggta catcaccact ttatgtgtat gcaagcacct tcactaaaaa 60
 aattaacaac aatgatgaca ttcttggcgt cttgtctctc atcatctata ccattgtgct 120
 catacctttt cttacatatg tcttcatcgt attgtgggcc aacgacaacg gcaacgggtg 180
 agcgtttgca ctctattcgc taatctgtag gcatataaag atgagtttga ttccaa 236

<210> 47063
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038726H1

<400> 47063

gagagaccta gtttgaaaca tcaaaggaaa tggaactccg accccaatta caccaaata 60
 tggatgata gaggtgctaa aatctttcag gcagacaagt atcggaaagg tgcattgtgag 120
 aattgtggag ctatgacaca tgattctaag tcatgcatgg aaagacctcg gagagtggga 180
 gcaaaatgga caaacaaca cattgctcct gatgaaaaga tagaaacttt tgagcttg 238

<210> 47064
 <211> 239
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038728H1

<400> 47064

ctaacgcgtg catagcagag tcagagacag agacgcagcc atcgggcgga gacctgcgag 60
 gtgttatagg caaattaaga acaagccata cccaagtca cgtttctgcc gtggtgttcc 120
 tgatcccaag atcaggatth atgatgttg tatgaagaag aagggtgttg atgagtttcc 180
 tttctgtgtc catctggtta gttgggagaa ggaaaatgtt tcaagtgagg ccctggaag 239

<210> 47065
 <211> 240
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038729H1

<400> 47065

ctgaaactta cattctttca accaacagtc cttaaaaatt aacagaatca tataattgat 60
 atcgacttag tataaagaat attattatgt gagggcaatc accaatcagc tactgaagaa 120
 tttccctggc tgctatacta ttatgcttga aaacaatgaa gttttgcatt gaagcaaatt 180
 ctattgtatc caagaaccct ctaatgctat gtgagcatag caaataacct tataattccc 240

<210> 47066
 <211> 195
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038733H1

<400> 47066

caagattcta agagagatth tactgctctt tgaagaaggg tgtttgcttg attttcgtga 60
 tgtegtgct ctcagatctc atgaacctta acctctcaga cactactgag aaggatgatcg 120
 cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca ggactcttcc 180
 aggaccaagt agcga 195

<210> 47067
 <211> 237
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038736H1

<400> 47067

gtgaggagtt agtgtccaca attttctgat catcatatca aaccctcttc atttgatttt 60
 ttttcttaat ttaccaaaaa aatgggttcta tgagtctcac gagtacgcat gcgatggatc 120
 cagaaggtgg aacaactcgt caaaactctg ctaagagaga gtcgtggaga acggttctga 180
 ctctggcgta ccagagttta ggagcgggtgt acggcgattt gagcatttcg ccgttgt 237

<210> 47068
 <211> 242
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038686H1

<400> 47068

cagaatccgc ggcaatgcag gtttgtgaag aggaaccgaa gatgttgga cctaaacctg 60
 aacctgttat cagcgaagag gaaccgaagt gttggatgat gttatcaatg aagaggaagc 120
 tgttgtggcc gagacgttga agggagagga gcctatcgtg gctgagacat tgaaggaaga 180
 ggttgtggat gagatggcag aacaaccctt ttgtaaagag gaatcggaga aggggtgttc 240
 gg 242

<210> 47069
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038643H1

<400> 47069

caaagaatat gaatcagggc caatcatact tcatttggat tctttgggtc ttcactctag 60
 taaatcagtt tttgataata ttaaaagcta tttgattgaa gaaaagaact atatggatcg 120
 agaagatgtg tcttttagatg tttcaattgc ggatagaata tggaagtgcc ttcctcgtag 180
 aattgaatct caaatcatcc aggttcccca acagaagaat gaatatgact gtggtctttt 240
 tgtattgt 248

<210> 47070
 <211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038646H1

<400> 47070

gtcatctcat cccaggggttc atctttgctt tctgtagatc tttctgggtc tgatgtcact 60
gattttgggc tgacatacct taaagattgt gaaagtctca tttccttaaa tctaaattac 120
tgtgacgaaa tttcagatcg tggactagag tgtatcagtg gtctgtcaaa cttgacaagt 180
ttgagtttca gaagaaatga ttcaatttct gctcaaggaa tgagtgcctt ttctggtctt 240
gttaacttg 249

<210> 47071

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038648H1

<400> 47071

gtaaaacctc agtctctcac tcgcagatct ttcactcacc caaaaccaag ctagtccgag 60
gaagtcctct attcagaacc agatatggag acaaaacca ccgagatcag cagcggcaag 120
atgttcggag gctacaacaa gaggttcaga catttcagcc ctaccctcgg ctgctccatg 180
aacttcaca tctaattcac tccatctcct tctccctctc acaaattccc agtcttgtac 240
tttctctctg gcc 253

<210> 47072

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038649H1

<400> 47072

gccgaagcga agagtgtttg tagggtttgc gttgcgcac gtttgagaga gagagatggg 60
aagagaaaaa gagacaacaa aggtagctta cgcagtggag cagcttgtag ccttcaatcg 120
atacaatccc gatattcttc cagatctcga aaactatgtc aacgaccagg tttcgtcgca 180
aacttatagc ctggacgcga atctctgcct tcttcgcctc taccagtttg aatctgagaa 240
aatgagttcc cag 253

<210> 47073
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038650H1

<400> 47073

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 gttcacaaaa acctttcact tctattttca atctttctag ttccttctcc catattatag 120
 taccctttta tccaagtta cttaaattta aaacctttat tactgctcat acttggtttt 180
 cgctttgtta agttttaaga aaaatggagg cacattctcc agttatagcc aagaagctat 240
 ggaatgtgtt g 251

<210> 47074
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038651H1

<400> 47074

cgagaagcac cagcgcggtgt ggctgggaac gttcaacgag gaagacgagg cggcgcggtgc 60
 gtacgacgtc gccgtgcagc gattccgcgg caatgacgcc gtcacaaact tcaagccgct 120
 ctccggcacc gacgacgacg acggggaatc ggagtttctc aactcgcatt cgaaatccga 180
 gatcgtcgac atgctgcgta acatacgtac aatgacgagc tggaacaaag caagcgcacc 240
 gcggcttc 248

<210> 47075
 <211> 193
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038652H1

<400> 47075

tgaaaatctt ccaccaaag taattaaaca acttgccaag gagttgaaaa gtcttgatga 60
 atccccctct gagggcatta aggttggtgt aaatgatgat gatttttcga caatattttc 120

tgacattgaa ggcccaggta agtagctttc atgtggtagt ttgcatgatt gagaactccc 180
attgggtagg gcc 193

<210> 47076
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038654H1

<400> 47076

cttcaccact ccaaaccac cacaccacca ttattcatat ctcatctct aacctttcac 60
tctgccttac tcaactctcta ctttgctcat catcgtagat gaaccaacac ttctagtctc 120
tcttacttta taaccatgta aaaatgagtc acctaataaa aaattagtag cttcttggtg 180
tgctttttat tttgtttgtg ttgagataaa tttgtttgtt tgtttggtat tgttttgtgt 240
tttatgaat 249

<210> 47077
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038655H1

<400> 47077

gaaacattat ctgctgttaa gtctcagcaa ataaaggata ataaccctca ctttggcatt 60
gattgtaatg atgttggcac taatgacatg cgtgagcaaa atgtctttga aactttgatc 120
ggaaagcagc aacagctcct actcgtact caagttgtca agatgatact gaaaattgat 180
gatgtcatct ccccatctga gtactgatat ttttaaactc agtcatgggc tacgtcaaga 240
tgctgaat 248

<210> 47078
<211> 235
<212> DNA
<213> Glycine max

<223> Clone ID: 701038659H1

<400> 47078

cgatttcacac acacttatag ttctctcttc tctttctttt cctttctttc tccgccgaag 60
 atggcgccgc ccacgccagc agttgacggc gccagggcgc cgcaagggcg gcagcaacag 120
 ccgcaaggag gggttgccct caccggaatc atacgcatgg tcgttttctg gtacttcgct 180
 tccaaattct tttcccccaa aaaacctacc gaaccttcog ctctcatctc caatc 235

<210> 47079
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038664H1

<400> 47079

tgctgtatac acaattacaa tcctcacaat cctcctccct tcattttctca aattctcaat 60
 atttcaccaa ttcaaaaccc ttcattcattg atcttttcac tcttttcttc tttgctcgca 120
 acattcattc acaatttggg tgctccttct gtttcttctc ctcaccattg gattggataa 180
 tctgcaattt cttcaattga caaaagcaac gggagttggg ttccaacgga attatggttt 240
 tcctcattgc gatg 254

<210> 47080
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038665H1

<400> 47080

ctcggaacgc ggctcgagct tgaggaaact ttgtgatcca taaataagtc tcagaacacg 60
 aaattctcat cacaaaattc tcataccaca atacaaaaga gattgaagct agcagactca 120
 tcaaattggcg gaaatggcag catccttcgc acgagacaaa ttgctttcac tgctaagcaa 180
 tgaagcaaac ctgctttccg gcacccccaa agaatttgca gacataagac aagtactcag 240
 atgtcatgca agccttactc taggatgcag 270

<210> 47081
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038667H1

<400> 47081

cggctcgaga aaaaattggt cttgtttgtc catttagcca tgaagaagtt gtctttctcc 60
atccccaccg caaaacccca atcgggtggac acttccacca cccgaaagga cgacgacagc 120
gacggaacca aacagtacat caccgaattc gacccttcca aaccgcgaaa ccccaaaatc 180
acaatcccc caatccaaaa ccagtgggaac cccaacaag acaacgaaca cagcaccacg 240
cggtggcgcc 250

<210> 47082

<211> 219

<212> DNA

<213> Glycine max

<223> Clone ID: 701038668H1

<400> 47082

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taaaaaactt atccttctct ttttactttg ttaaaaaaaa ttgaattttg ctaaggaata 120
tactgtgcat atcctttggg tattctagta aagtgatgaa agccttcatg gttcaaaaaa 180
aagagtaaaa aaaaaaaaaa aagggggggc cccaataa 219

<210> 47083

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 701038669H1

<400> 47083

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cgatattctc cggttaccct ccgaagcttc caggttcttc aaagcacctg ctaatgccga 120
tcaaaacgat gagggcacca ggtgggcccgt ttagttgcc ggttccaatg gctactggaa 180
ttacaggcac cagtctgatg tttgccatgc atatcaacta ctgaggaaag gtggtgtgaa 240
agaggaa 247

<210> 47084

<211> 249
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038670H1

<400> 47084

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 atcatcaaaa atgggtttgt cttggtcaag aaggaacgtt ttccgccgtg ccaagaagga 120
 gaagtcacaa actcaattgg aagtggaggt tgtgattccc aaccactttc actgcccggg 180
 gagtctggag ctgatgacag acccagtgaac tttatcaacc ggcattcacct acgaccgtgt 240
 gagcattga 249

<210> 47085
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038672H1

<400> 47085

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 ttcaggtggt gcatgaccca tccaatgact gctgactgat ctgatcctct gcgaaagcaa 180
 atggaaaaaa gtcataaaaa catagactgg aaaatttggg ggcaagatga aactctggta 240
 gtgaagg 247

<210> 47086
 <211> 243
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038674H1

<400> 47086

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 tatgtgccaa tcactattgt tcagaacgcg gtagcaaaag gagctgtttg tttggatggg 180

002250" E T T E S 60

agtccaccag cttatcattt tgatagggga tttggatcag ggattaacaa ttggttgggt 240
gca 243

<210> 47087
<211> 241
<212> DNA
<213> Glycine max

<223> Clone ID: 701038676H1

<400> 47087

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caacactgtg ttagatactc agatcccccc tcttttctct atgccattcc ccagctggg 180
aagggtgtac tggaatcaga gtgtagctgt ggggtgcaga ttgattacta ttcttggtt 240
g 241

<210> 47088
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701038677H1

<400> 47088

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agtccccaag acccccgaga tctcatcctt gctttctgct gctcctttgg aggggtgctgc 180
tgatcagggt cagaagacca acaactcgca ggatgtggtg gctgcacaag atgattctgc 240
aaaa 244

<210> 47089
<211> 248
<212> DNA
<213> Glycine max

<223> Clone ID: 701038680H1

<400> 47089

0022230"032200

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agtcacaact ggtggaaatc tctggcggag taaacacacc accaagaata ttacttttgc 180
aagttcttgg atatcaaaag cttcacgaca caaaagggaa actcaaataag aacataatgt 240
tttgaggt 248

<210> 47090
<211> 243
<212> DNA
<213> Glycine max

<223> Clone ID: 701038683H1

<400> 47090

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ccttcgtgca ctggtatgtg ggtgaaggta tggaagaggg tgagttctca gaggctcgtg 120
aggaccttgc tgctcttgag aaggattatg aggaggttgg tgccgagtct ggtgatggag 180
atgatgatgg tgaaggagat gatgattatt agagtgtctg aaatatcgtg tgtttgatgt 240
cta 243

<210> 47091
<211> 187
<212> DNA
<213> Glycine max

<223> Clone ID: 701038684H1

<400> 47091

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gcaccaacaa gaccttggtta cttggaacaa ggccacggct tggcttcctt aaaacacatg 180
gatgcgt 187

<210> 47092
<211> 182
<212> DNA
<213> Glycine max

<223> Clone ID: 701038685H1

<400> 47092

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 gagcacattg aaggctgcaa catcaggcca ggccttccca caatgtgtgt ttgatcactg 180
 gg 182

<210> 47093

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038642H1

<400> 47093

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 tgtcagtgtc actcttgagg acattccaaa tcaaggaacc attcactttg tttgtaactc 180
 atggggtttac aacttttaaag actacgacaa aaaggatcgc attttctttg ccaataagac 240
 atatcttcca agtgca 256

<210> 47094

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038611H1

<400> 47094

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 gaaattgttg atgaatgggt gaagttgaat cctcaggga gaagcaacac tctgatggct 120
 catggagact cgccgcctgt gcagaaaacc acccaaatg ggcatcatca tcagcagatt 180
 cctgatattg catactctcc caatccacac aacggtagct cccggnngc gcgtaacaac 240
 tcagaa 246

<210> 47095
 <211> 221
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038612H1

<400> 47095

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 gttegggaaa tcctaactca tcattctcaac tcaagtcatt gctggacttg cacctgaggg 120
 atcacagttc gatgctcgtc aatatgattc taaaatgagt gacttacttt catctgatgg 180
 acaggacttc ttcacatctt atgaggaggt ttatgatagt t 221

<210> 47096
 <211> 251
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038613H1

<400> 47096

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 agcaggagat ggaaagaagt caattctcaag tggatgtatt gcaggcaagg ataattggagg 180
 taagggcaca aatacaaggc tcaaaggaag atgcaaaaaa ggagtttagag gttctatgga 240
 gaagagtcaa g 251

<210> 47097
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038614H1

<400> 47097

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 cgatctcaga ttccgggtcac tctctctgcc ggcgatccct tattctctcg tctccgtcg 120
 agtctcttcc gattcgaatc gttcccagcc ttgtgccacc atgaatcccg aatacgatta 180
 tttgttcaag cttttgctga ttggagattc tgggtgtaggc aagtcattgc ttctctgag 240

002220.032200

gtttgctgat gat

253

<210> 47098
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038615H1

<400> 47098

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ttcattttcca cgtttcatgg atccactaag cgtgtggggg aacacgccct tggcgacggg 120
ggatcccgag atccatgacc tcatcgagaa ggagaagcgc cgtcaatgcc gcggaatcga 180
gctcatcgcc tccgagaact tcacctcctt cgccgtcctc gaggcctctg ga 232

<210> 47099
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038616H1

<400> 47099

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gagaaaattc gcgcagttac tgctgatcca aacaggggtg tgttctcatt tgagttcttc 120
cccccaaga ctgaggatgg tgtggacaat ctgtttgaga ggatggaccg catggtgggt 180
cacaactcct ctatttgcca catcacttgg ggcgctggag ggacaacggc tgatcttaca 240
tcggaaattg cc 252

<210> 47100
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038617H1

<400> 47100

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gtgcactact ggggtgaaaa tgtatatgct ggagagcaaa ggaggtgccca tagcatgcat 120

gttcttgccct cttttcttct tggggacatg gcctgctctt ttgactatgt tagagaggcg 180
 tggtcgtctt cctcagcata cctaccttga ttactcaatc accaatttct tggctgcttt 240
 actcattgct ttt 253

<210> 47101
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038618H1

<400> 47101

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 aatatggcag ccgatacgga acctaagaag atcataattg ataccgaccc tggcattgat 120
 gatgctatgg caatattcct tgctctacaa tcacccgaag ttgaagttat tggactcaca 180
 accatctttg gaaatgtgta caccactctg gcaaccagaa atgccttgca tttgttgagg 240
 gttgctggga gaa 253

<210> 47102
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038619H1

<400> 47102

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 gtcgttgctg ctctttacac tgctcctctt cggaacccta gctctcatcc aggccaagaa 120
 atcgaaggag gatttgaagg aggtgaccca caaggtttac tttgatgttg agattaatgg 180
 aaaagaagca ggtcgtattg taatgggtct ttatgggaag gctgtccaaa aactgcagaa 240
 aacttcggc 250

<210> 47103
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038620H1

<400> 47103

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 aggaagagca acttattggc agcttacaag ccttcaagca ttttggcctg gcctacaggt 120
 tcttattggg gatgttatcg ctgccaatc atctcaccgg gagtttttcc atgtgtggaa 180
 gaactatgga gtgctaccag agaggtatct gctggattat cagatgcttc accctactga 240
 gaaatattac cct 253

<210> 47104

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038622H1

<400> 47104

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 cacacatggt cctccacgga agcgacagaa tcttcttcta gaaataccct caagaacaga 120
 agagagttct caagaatttg ttgcaatcaa aatgccaccg acaccagtt ccaatccac 180
 tctactcca aagagagtga attttcttgt atcggacacc ggcagatatt gaaaaaccaa 240
 atactgcagc tcc 253

<210> 47105

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 701038623H1

<400> 47105

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 acacaaggac cataacatac ctatacctca atatcacaag tcttatggag gcagagcgag 120
 acaagtacaa gatgatcaac tttgaagaaa ccgagttacg actcggcctg ccactcagtg 180
 gaaacgagac gctcaaaaac acttgcagca ctgggaagag ggttttttcg gatactgccg 240
 tggatttgaa gc 252

<210> 47106
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038625H1

<400> 47106

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 caagaaagga ggacacagaa agcaacaatc ttcataata tactcatctt gttcacctca 180
 gctcactcct tccttcatct tcttgcagct cttctactaa aggtctaaaa acaaaagcat 240
 cattagaa 248

<210> 47107
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038626H1

<400> 47107

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 tgccagatag gggcatgcag gttacaatcg cgtttaatca cttcggtgag ggtctggtgc 120
 agcgtatgcc acgatgcagg ctcggttaca tccacgtcgt taataatgac ttcacgcagt 180
 ggaagatgta tgctatcggc ggtacgctaa cccaccatc aacagccagg gtaaccgtta 240
 caccgtcccc 250

<210> 47108
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038627H1

<400> 47108

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 gttccttccc acaaaaatgt tccaatcaaa accttacta ggggtgatgg cttttggaag 120
 ggatggtgag ttcatttata accaaaatct tactttgtct aattaattag ggtactgata 180

tttatagcaa gtacaataat taaggacaca agttaaagaa ttttaaaata gaaagttttg 240
tattgaa 247

<210> 47109
<211> 252
<212> DNA
<213> Glycine max

<223> Clone ID: 701038628H1

<400> 47109

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tacaatgaag aagaggaaga agaagaagaa gaagaagaag aagaagaaga agaattggac 120
agtgatgatg atgatgagga tgcagacgaa gatgatgatg tttcgagcaa ccatgtttca 180
acgccgttca tgaatccagg gtcaaaaggg catggctgcc aatcgaacca gtttgcgata 240
ttggatattt tg 252

<210> 47110
<211> 250
<212> DNA
<213> Glycine max

<223> Clone ID: 701038629H1

<400> 47110

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ctcttctgta catgcagcta tatgggcacc taagacctat gtgtcttaag tgggctgttc 120
aactaggtat tccagacata atacagaatc atgccaaacc catttctctt tctgacttgg 180
tctctactct tcaaattcca ccagctaacg ctgcttttgt gcagcggttc atgcgcatct 240
tggcacacaa 250

<210> 47111
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038631H1

<400> 47111

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 ggtggatccc aagaaggag cacttgctgg gcttgggcca acgctgggtg ggtttgtggg 120
 tggggccaac atcctcgcag gtggggctta ctctgctgct tctatgaacc cagcaaggte 180
 ttttgggcct gccttggtcg ctggaaactg gaccgatcat tgggtttact gggttgggcc 240
 tctcattgg 249

<210> 47112
 <211> 232
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038633H1

<400> 47112
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 caagcttctc tgtcggtcat tgcattctca atctcgcttc ttctctcaga ttcagatacc 120
 aattcggttt cttccgaacc aaacttggtt ttgagaaatt cggcaattga ttttccatgg 180
 ccaacaatcc gtcacagctt ctcccatcag agttgattga ccggtgtata gg 232

<210> 47113
 <211> 213
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038634H1

<400> 47113
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 ttaagtctgc tcaattctgg gatataattt tatgaccttg tgttaactca tacatctttt 180
 ggggtttctc aggctttggg cgtgtaatag att 213

<210> 47114
 <211> 252
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038635H1

<400> 47114

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gaaccgggtc aagaaataaa cctcgctggg aaccgttgat tgggtttgta cgaataatth 120
gaaatgaaga ttcagtgcaa cgcgtgag gcccggagg ccaaggttct gtgctgcgcg 180
gacgaggcag cactgtgctg ggaatgagac gagaagggtc acgcagcaaa caagctcgcc 240
agcaagcacc ag 252

<210> 47115

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038636H1

<400> 47115

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ggtatgaatg attacaaagg aagagaagga gaaagtagtg ttgttggtcg gaagcgattc 120
aaggagaagc agcaacaaca acaacaacaa ccctttcctt ccacaagggc catcatcaac 180
caacaacacc gtcgctgtgc ctccctcccc aacaacactc aatacgagga atctgaaaca 240
gatgtcgaag tgt 253

<210> 47116

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701038637H1

<400> 47116

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ctccgagtgt gttagaagtc cgccctcctg ctttaacttc catctctgaa ccacttccat 120
tttttgatgg aaccacaagg ttatacattt gctatctgtg cccttttgca caacgcgcat 180
ggataactag gaactgtaag ggattgcacg acaagatcaa tttggttctt attgatctta 240
aaaacagg 248

0053113.032200

<210> 47117
<211> 253
<212> DNA
<213> Glycine max

<223> Clone ID: 701038638H1

<400> 47117

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gaaatggctt ccaaggggtgc acttctcttg tgtctcaaca ttctcttctt cactgtggta 120
agctccacat atgtcccatg caaccacccc cctaaaactc ctaaacacac acctgtccca 180
aagccacctt ccccaaagca accaagttgc cccaaagaca ccattaagtt tgggtgtgtgt 240
gctgatgtgt tag 253

<210> 47118
<211> 249
<212> DNA
<213> Glycine max

<223> Clone ID: 701038639H1

<400> 47118

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gaagccctga cctccgtctt ctctttcttc tctctctctt gtccatcgct tccgccaatg 120
tcttcttcga agagcgtttc gatgacgggt gggaaaatcg atgggttaaa tcagattgga 180
aaaaagatga gaacgtggct ggggagtgga accacacctc tggatcaatgg aatggagacg 240
ctaatgaca 249

<210> 47119
<211> 254
<212> DNA
<213> Glycine max

<223> Clone ID: 701038610H1

<400> 47119

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tcttctaaat ggaaagcctc caagttactc attcaatcag tcttctgaag gaaccaaaga 120
cggggaggaa aatgataaat ggaaaggaaa ttccgatgat aaaccaaagc acttacctac 180

agttgataca gaggatagtg ttccgggagt tttgtatgat ttgctgcaga aagaggtctt 240
 agccttgagg aaag 254

<210> 47120
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038575H1

<400> 47120

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 ctgaaattaa ggagcaacaa ctagccacag aaacttctag cactatacac cacaaagggt 120
 ctgaattgtc tgaaaccaat cagcagaatg atcgaatacc atctgatgcc cgggtgaagc 180
 agatacaaga tcagcttatt caagctaagg tctatctttc ccttcaggtt gtaaaatcgc 240
 atccacatct cactcgggag cttcgattac gggtaaaa 278

<210> 47121
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038576H1

<400> 47121

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 gtatcagcgg atttagtgaa gcagtatgca gaaaacaacg atcttttctt tgaacaattt 120
 gccaaagtcca tgggtaagat gggaaacatt actcctttaa caggggtcaag gggagagatc 180
 agaaagaact gcagaggaat taacaagtga tgtagtgata tcattgtcat gtgacacgtg 240
 tgaaagttgc acctacattt tacttttctt cctctt 276

<210> 47122
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038577H1

<400> 47122

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 ggcaccttcc ttatgtctat cccttccaaa cacttccacc ttctctgatt tccacaagct 120
 aactgtttc tgtttccacc caaaaaaacc gattcggcaa tttatgtctg gttgggtccc 180
 agaagctcgg cacgtggcgg ccattttggg ttaccgaaag aagcttaatg cgttgagcca 240
 agatggagag agctaccacg ggacgatgga ggataac 277

<210> 47123
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038578H1

<400> 47123

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 acttgaaaag agaagaagaa gaaaaaagtg gttttggaga aatgggtgag caatcgggtgc 120
 tgggtgctcga aaagcaaggg gcaaattccag tggtatcaga aggaatccac gattgggtgt 180
 ttgactgccca tgggcttttg cacaatgcgg ttttgatcat cgcttctttg cttttcgtct 240
 tgtacttagc actgcaagct gcaaagagct tcctcaga 278

<210> 47124
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038579H1

<400> 47124

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 tcctcgtttag tcgtagtac ttacgcgaac cagctgaatg cacggcaacg tcggtcacgt 120
 gaccaatggc ttctcatcaa ttctcgaca acttcataat ttccgatcac attctcgtac 180
 cgggctcctc cgactccgag gttgaaaatg tcggtgacgt gcctcactgt ccggtccttg 240
 ttttcgtcaa ctccaagagt ggcggtcaac tcggcggaca 280

<210> 47125
 <211> 286

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038581H1

<400> 47125

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 ccaaattctg acattagcat aggagcactg tgattttgga tgactatatg gtcttccagt 120
 tatcccttgg taatatatgt gactttgtag atgcataaat gttgtcgctc caaggtgtct 180
 taatgacact gcttctctct gtgtttggct ttgctttag ttgatttaac atgtcttttg 240
 cccaaattgc ctgataatca gatttcagat ggtctatcct gtaaag 286

<210> 47126
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038582H1

<400> 47126

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 accctttcaa cgcattgctt ccctcccaaa ttcttcacct ttctccctc tttcccttca 120
 tttttctatt atcttacatg ttgttgcac cgtgccaaaa ggggtttgtt cctgcacaat 180
 taaattcaac cccttaggct ataaaaaaaa aagatttttc attttcaatt ctttgggaagg 240
 tttcaataat aagaagccct tgattctaga agaaa 275

<210> 47127
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038583H1

<400> 47127

ggggaacacg gagaagctga tgaaccagat catggaattg aagttcacgt cgaaatcgct 60
 gcagcggcaa tcgctgaagt gcgagaagga ggagaaatcg gagaagctga aggtgaagaa 120
 ggcgattgag aaaggcaaca tggacggagc gcggatctac gcggagaacg cgatccgtaa 180
 gcgcacggag cagatgaact acctccggct tgcctcgcgc ctggacgccg tcgtggccccg 240

cctcgacacg caggcgaaga tgacgacgat cagca

275

<210> 47128
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038584H1

<400> 47128

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 ccacgtgtct ctccatgctc tccctccgcc gcttctccgc gtgccgcgac ttcgcccgtc 120
 gctcncctcc ctccgacttc gtgcccgcg tctcgcgcgt agccgacgtc ctctccgcct 180
 ccgacttcta ctccgtcctc cagctccgcc cttctgacgg cggcaaccgc gacctcgcgc 240
 ggcggcagta cgcaaaactc gcactcctcc tcgaccca 278

<210> 47129
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038586H1

<400> 47129

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 gattccaagg attctcagaa aggaggaccc caaaatgcct tggttggttg tccaactatg 120
 ccatccacaa caccgaatga tactggcttt cagagcaaaa gtacagcggg tgtttcagcc 180
 tctggttcat ctgaaagaaa tttatcaaca tctgctttga tggaaagaat gccaaagtaa 240
 tggccacgtc ctgtatggca tgcaccatgg aag 273

<210> 47130
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038587H1

<400> 47130

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 tatgtaacaa tagcacaact gagtgaaatt tcgtatatta gtatttctgg catatctagt 120
 gaagtctttg aattcttgct ggacttatat gatgtgcctc atactctttc agtttttcat 180
 tggccttgta tttttcttta gcgacataga attggtttca acatttgaaa gatgcctctg 240
 aagtctcaat aagaatccaa ttctgttaa gta 273

<210> 47131
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038588H1

<400> 47131

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 gaattgaagg ggttgaatga tgattgcgaa cattttgagt cttttccacc tggtcacttg 120
 tactctagca aagagagagc gtttcgcaga tgggtacaatc ctccatgggt ctctgaggct 180
 attccctcag caccttatga tcctcttgct ttgaggcatg cctttgagaa ggctgtggta 240
 aaaagggtga tgactgatgt tccctttgggt gttttgc 277

<210> 47132
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038591H1

<400> 47132

ccagacacag agtgcgttcg ttgacgacaa acacacacaa acacacaaca aaacgtcaac 60
 ggaaaatctt tctccggcga cctggaattc cgacgaaggt agttgaggct ctttcgtccc 120
 gaaactgagg cccccaagat ataaactttg gtggtggtgg gtaggatctg gcggtgtatg 180
 atgccgatct tgcataatgcc cgttggagac tccggcgagg ttgctttgga ccacaagctt 240
 cttccgtcat caacttatga tcttctaata attaata 277

<210> 47133
 <211> 275
 <212> DNA

<213> Glycine max

<223> Clone ID: 701038592H1

<400> 47133

gcgttcatga tttacccgac aagggaactc gacaatacta tggtgctatg gcccacagag 60
accgaatatt ccggggccgg agactcgccg ccggttacca ctgcctctc acttttatcc 120
cctccaacga gacttatcag attgaagcct ttggattctt gcattttgcc aatgtttctg 180
ttgggactcc accattatcg tttctggtgg cattggatac tggcagtgc ttgttctgg 240
taccttgcaa ttgtaccaga tgtgtgcatg gtata 275

<210> 47134

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038593H1

<400> 47134

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gaggctgttt gtgacccatc tggaggggca gatctatacc tgcaaact gccgcacca 120
cctcgctctc tatgaagaca tcgtttccaa ggctttccac agcagacatg ggacagctta 180
tctcttcagt aagggtgaag ttatccttga ttttagattt tggaacccta tcattatgtg 240
attactataa acaaaaaactc agatacatgt tct 273

<210> 47135

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701038594H1

<400> 47135

ccaaatagga gtctgtgtaa gggaagaaga tggtgtcagg ttctggaatc tgcgcaaagc 60
gagtcgtggt ggacgccgc caccacatgt tgggtcggct agcgtccatc gtggcgaaag 120
agcttctgaa tgggcagaag gttgcggtgg tgcgctgcga agagatttgc atctccggcg 180
gtctggtgag gcagaccatg aaatacttga gattcctccg caaacgcatg aacaccaaac 240

cctcccatgg ccctatccac ttccgcgccc cagccaa

277

<210> 47136
<211> 190
<212> DNA
<213> Glycine max

<223> Clone ID: 701038595H1

<400> 47136

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aagttttaaag actgctggtg ctgaaggaga aataacagca ggatttttat taaagaaaag 120
tgcaaaaact aatggttgga gcaggcgatg gtttgtgcta aatgaaaaga caggaaagct 180
tgggtacacc 190

<210> 47137
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038601H1

<400> 47137

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tttcgagttg ttgctaaaga gtgatggact caccgcccag caatcaccac gcggtcgacg 120
gagacgccaa cgacgtcggt agatcctttt cccaccgcca cgacgatgaa gacggcaagc 180
cccaaccct caccggggac gcggcagtcc tggaagatat tcataggggg t 231

<210> 47138
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701038603H1

<400> 47138

attccaaatt ctcaactttc ctaactttag caaccatcta agaagttcag tcccttaatt 60
atctctcacc ttgaattaga aaagcattca aagctttgaa cccaatttca ctgtttgcac 120
ctcaaacatc ttagaagtcc caattgagtc tcaattccac aacaaaaat gcaaagttca 180

atttcacaat ctgatatttt tatcactgat taccttgtac cccaagaagt tccatttcaa 240
 tttcaatttc aagatat 257

<210> 47139
 <211> 172
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038605H1

<400> 47139

gtggccttttg agggaaagga gggaactttt agtgtgggag ggtggaaact ggaattgggt 60
 ttggttgggg gtaaagagaa tgaagattca gtgtaacgtg tgtgaggctg cggaggccaa 120
 ggttctgtgt tgtgctgacg aggctgcgct gtgttgggag tgtgatgaga ag 172

<210> 47140
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038607H1

<400> 47140

ggcagactag tatccgatcc tctgtcctct cgaagctttc atcgttcaac atattctcac 60
 catctcagtc atgggcctgc tatcttgttt taggtctacc gtcctgagaa aatgttccaa 120
 aggaagctct ggcattgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180
 gtctgggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240
 tatgggaact ggaactgtgg gtggga 266

<210> 47141
 <211> 254
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038608H1

<400> 47141

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 cctgtatctt gtttcctcta tgcaataacg aagtacaaat agatgggtat acacaacaat 120

tctattttca tatttcataa tatacaatct tactttctttt atggatacaa aaggggaaaa 180
 aaatgatttc acatacaaca attgctcagg gattttgatg gttggatatt tgaattcctt 240
 ttttcaattc ttta 254

<210> 47142
 <211> 251
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038609H1
 <400> 47142

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 gactacaata acaactctgt caacgtggaa cgtttcacat cggcactatt ggatgctggg 120
 ggctttcagt ttgtgccagc accttctgct gcctaataatg cttattattt acagctacaa 180
 attaatgtta attaacgaca aagtatatgt attgttattt gctttttattc gtttttgggt 240
 cttatatatg a 251

<210> 47143
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038574H1
 <400> 47143

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 cgatcgtgct cctgttcacg gtctttgccg tttcctccgc cctagacatg tcgataatct 120
 cgtacgacag cgcccacgcg gacaaggccg ccaacttgcg caccgaggag gagctgatgt 180
 ccatgtacga gcagtggctc gtgaagcacg ggaaggtgta caacgcgctc ggcgagaagg 240
 agatccgctt ccagatcttc aaggacaacc tgcgatt 277

<210> 47144
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038546H1

<400> 47144

gcgtgaagct ctaaataaaa tattgggaga agatattgcc aagcacgtaa ttctaaaggt 60
 caccgaagat ggatccggca ttggggctgc actgcttgct gcctcttatt catcctaaac 120
 tgtggataga gggtagacct gctataaaaa tatatataaa ttgtttgata ttttatatat 180
 atatatatgt atatatttat atatatgtac atatatatat ataggcacac acgcacgtat 240
 agccatgtaa atcagaattt attcacatat ttaatatctg 280

<210> 47145

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038549H1

<400> 47145

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 tactcaagct gtagcacaac ccaaaaagga agaggctgct ccagagagac cggctaggac 120
 ccttttgggg tggaaggata agaatacaagt tgaggatgat tcaccaatat ttaggaacaa 180
 agagaagcta ttggtcactt gctctaggcg catcaattac aggtaccggc atttgatggt 240
 gaatttggtc acacttttgc ctcatgttaa gaaggataac a 281

<210> 47146

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038550H1

<400> 47146

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 ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcggttgc aacaagtact 120
 cttttgactt gagttacgtt gagaagacaa ccacagagac tctagttttg ggtgttgggc 180
 ctgtgaaggc caatgtcgag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
 actgtggatc aagctgcacc tgtgacccat gcaactgc 278

<210> 47147
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038551H1

<400> 47147

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 ggggtggcgtc gccagcgatt cccccctccg gttccctctc cacccttcaa ttcaaccctc 120
 tcgtcttcgc ttcactgatt ccctctttca aaatgcttcc gatcgcttgc taggggtttc 180
 cctctcccaa atctcctcct cggaaagcac cctgtacctt ttattcctcc gactaatcaa 240
 cttctttgct atagctattc gtgtaacctt ttcctttt 278

<210> 47148
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038552H1

<400> 47148

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 actcaattca tcaccttttc cctctctcct tttccaaaga aaaagaaaaa aagaagatca 120
 attccaatgg aggtttcatg caaaattttg agaagatcaa tccacagttt tcttcaaaac 180
 taccattatt ttacctcaac tgcagctttt ctagcccttc ctttctccgc atcaatactc 240
 ctatcagaag cttttgtgcc agcctcttca tcctcttgc c 281

<210> 47149
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038553H1

<400> 47149

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 ctctcccaa gaagacgctg aggctctcag aaaggctttt gaaggatggg ggactgatga 120
 gaaaactgtc atagtaatat tgggtcatag aactgtttat cagaggcagc aaatcagaag 180

agtctatgag gaaattttcc aggaggatct tgtgaaacgc ctagagtctg agatcaaagg 240
agactttgag aaagccgtgt accgatggat actagaa 277

<210> 47150
<211> 280
<212> DNA
<213> Glycine max
<223> Clone ID: 701038554H1
<400> 47150

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aatcgatggc gaatcgacag gatccagcag ctaagagcat aaggggcacg aaccctcaga 120
acctggtgga gaagattctc cgatcgaaga tataccagaa cacctactgg aaggagcaat 180
gtttcgggtt aacggcggag acgttggtgg acaaggccat ggagctcgac cacctcggcg 240
gcacctacgg cggaaaccgc aaaccacgc cgttcattgtg 280

<210> 47151
<211> 274
<212> DNA
<213> Glycine max
<223> Clone ID: 701038555H1
<400> 47151

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gcttattgca ctggtctcct gttggcccga agagtcctca aaacacttga aatggatgag 120
gagtatgaag gaaatgttga ggctactgga gaggattatt cagtggaacc tgccgagagc 180
aggaggccat tccgtgcact ccttgatgtt ggtcttggtta ggactacaac aggaaatcgc 240
gtcttttggtg cccttaaggg agctctggat gggg 274

<210> 47152
<211> 276
<212> DNA
<213> Glycine max
<223> Clone ID: 701038558H1
<400> 47152

0053113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701038561H1

<400> 47155

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120
aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240
ccactcacgc cggcctcatc tccggttcca tcgcccat 278

<210> 47156
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038562H1

<400> 47156

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tagcgtagga aatggaagtc acactttcat cctgcaagtc cattagctcg ccgtctgttc 120
ccgtcgcagg tttgtttgcg gggaatggag gaattaagag ctcgcaatgc agtttcttag 180
cgggatcgag caaagtcagg tttcctagtc aagtaggtca agttagccac cttcgcaaac 240
agcgccaaac gcgtcactgc ggtgctctcc acgcgactt 279

<210> 47157
<211> 267
<212> DNA
<213> Glycine max

<223> Clone ID: 701038565H1

<400> 47157

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catcctattc tacctctcat tccaatcggc cattagtact ccttcttctt ggtcttctct 120
gtggacatgg tgctatcacc agcctctgct attggccaat gtcttttctt tcttcaatgt 180
caatttcctc ttctgggtca tcggcctaata ccaatccagc cactggatga ttgaccgta 240

ttggacagtg atacctgtga tgcttgt

267

<210> 47158
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701038567H1

<400> 47158

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ctgctttgtc caattatagt cttttgaac agtgatgaag caagggtcag caaacaacca 120
acagctcttt tgggcaagag tggttatgcg caaatggctt aacatggcta gtaacgagcc 180
tgattacacc gctgaccctg atgatgataa tgaggatgac cctgaaagtg actcagataa 240
tgaagagttg ggaaaacgga cacggtttgg ggacagca 278

<210> 47159
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038568H1

<400> 47159

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tcgttgggag cgaacaagtt ccccgagaga cagccaattg ggacggcggc gcagagccaa 120
gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
tacatcactg tcttaaccgt tatgggagtc gccgggg 277

<210> 47160
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038569H1

<400> 47160

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ctcacaaacc atgagcaciaa tccaccaaac acacactcgt cgcgaaggtg aagacaaaga 120
 gttcagtttc tggggctcat caaacatcat accttctgaa aatgattgtg atcaaccaca 180
 aggtaatgaa tcaaggctca aaaaggaagc atactttgga gaaacacacc aaagaaaaag 240
 ccttaaatat gagtattcac ggttttgttc aacagtttc 279

<210> 47161
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038570H1

<400> 47161

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 aatctttcga agttcgtttg cgtgtgttgt gtggtcagtc accgatggca gcaccacctg 120
 cgagggcacg tgccgattac gattacctca tcaagcttct tcttattggc gatagcgggtg 180
 tgggaaagag ttgtctgctt ttgcgatttt ctgatggttc cttcacaacc agttttatca 240
 ccaccattgg cattgatttt aagataagaa ccattga 277

<210> 47162
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038571H1

<400> 47162

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 actatggttg ttatgcagaa gaatgtgttg gatatcaaca gcatcaccag tggttgaggg 120
 atcgttgacc aaggcttagg cttcataggc agtgcagtcg atgcacttac ttttgagcc 180
 accaaaatct ccatccagtt gattagtgtc accaaggctg atggtgggaa aggaaaaatt 240
 ggaaagagta caaatttaag aggcaagata acatta 276

<210> 47163
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038572H1

<400> 47163

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 aaacaaatcg gtcgtctgga agttggaagc gagaccgtga tagacaaaag caaatccatc 120
 aagaccttcc tgatgcagat cttcgagaaa tatggaaata ctgacattga ggggtgtgat 180
 tcaactaatg catgctatgg aggaactgct gctctgttta attgtgtcaa ttgggtggag 240
 agcaattcat gggatggacg ctatggactt gttgtctg 278

<210> 47164

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038573H1

<400> 47164

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 catttttatt ttttacgttc aaggccaaga attcaatggc aggtattgca tctggaatca 120
 gcacccttgc cattggctca ggtgatgctc gacggcgtcc agcacaagcc caatccactc 180
 ccaacactaa cactaacaca aacactaaca gcaacacttc ttcttctacg ccatcatctg 240
 aagggttcac ttatttaaatt tctgccaagc aagatataa 279

<210> 47165

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038545H1

<400> 47165

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 tcctctttcc ctgtctccat tgtctgggtc tgttttagct ttgcagaggt tggccttggc 120
 aggcacacgc acatcccaca ttacatcaaa cacatttcat tttttttttt tctttctcct 180
 ttgtcatcct caaaatcccc gaccttaatt gctccgaccc caacaaaaaa cagaacaagc 240
 aagccatgga ttccctccag atccatggct tgtcctcgta 280

0953113 032200

<210> 47166
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038522H1

<400> 47166

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gctagtcttc ctattatcac aaacaatgtc tgacagtcaa gaatctgaca agaacattga 120
gatatggaag atcaagaaat tgatcaaggc tctggaagct gctcgaggta atggtaccag 180
catgatttct ctgataatgc ctccacgcga tcaaatttcc cgggtcacta agatgttggg 240
agatgaattt ggaactgctt caaacatcaa aagtaggggtg aac 283

<210> 47167
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038523H1

<400> 47167

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ctaagccgat tcgaaccgtg gcttctctcg cctcgcagaa cctctctcga agaaaatctt 120
cttcttcgctc ttcgttttct caacaaactt ccgggtcgac ccggatcggt taccgcgaac 180
ctcggatccc atcggaatcc aattttccga tctggcagca gaactgggtc atcgcatctg 240
tcttctcat ggctctcgga ttcttcgccc tcgctctctt cc 282

<210> 47168
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038524H1

<400> 47168

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gctcttgag gagagagcca tgtccatgca tcgctacctg aggaagatta ttgggaagct 120

gtttggccaa acactcccat tcccactgca ctgcgagagc ttctaaagcc tctccctcgc 180
 aggtgttgaa atcgatgaac tccctaagca aattgatgat acacagtacc caaaaacatt 240
 cttctataaa gaagaccttc atccaggcaa aacactgaaa gtaca 285

<210> 47169
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038525H1
 <400> 47169

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 gaaggtctag taggatctta attcatcaac aacaacagct tcacaaggga ccatttctta 180
 actataatag ctcttggtcc tcttttcgat caactgagcc atttaggtgc cgtgatgcat 240
 taccgggtaa gaactcgtea cctacccttt tccgcttttg gcg 283

<210> 47170
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038526H1
 <400> 47170

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 cccagcaaca tggatgctag aagtgagttc tgtagcagct gaagttcgtc ttggaatgga 120
 ctttgctgaa tactacaaga catcatcttt attccagcga aacaaagctc ttgtatagga 180
 gttaagcaca cccccgcctg gagctactga tttgtatttc cccaccaagt atttccctc 240
 cacattgggg caatttaaatt cctgtttttg g 271

<210> 47171
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038527H1

<400> 47171

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atgtccctaa tgtggatggg ggatgctcga attccaggcg tatactctgg cggcgcttgg 120
caaaatgctc acgctacgtt ctacggagga tccgatgctt ccggcaccat ggggtggagca 180
tgtgggtacg ggaacctgta cagccaaggg tacggagtga aactgcagc gttgagcacg 240
gcactcttca acagcgggct gagctgcgga cgtgcttcg 279

<210> 47172

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038528H1

<400> 47172

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atctttcatt tcaacgttcc tcaatagcgc attctagtct tcacgagcaa taatttttcg 120
attgctttcc caacatgacc gcttctaata agaaaaaccc caaagagaaa ccaattcgcc 180
gcaaggcaga aaaaccggaa gaaccggaag tgccgaaata cagagatcga gctaaagagc 240
gtagagagga tcagaatcct gattatgaac aaactgagc 279

<210> 47173

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038529H1

<400> 47173

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aaggaactca aggtcacctt ccccatggaa agctcagtcg agatcgagat ctaggtcaag 120
gtcgagatct aggtcgaggt ctaggcctag acaaaggcca agatcgcggt ctagaagtcg 180
tggcaggtca aggtcaccaa ttcgtggaag gtcaaggcca ccaattcatg gaaggctcga 240
acctacaaat cctgggtgaca cactttatgt aactgggtcta 280

<210> 47174
 <211> 281
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038530H1

 <400> 47174

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 taacagaact tcgtgcacag ggtcgagagc cagttcctcc agtagggatc gtaccactgg 120
 ggacgggcaa tgacctgtct aggagttttc gttgggggtgg gtcatttccg tttgcatgga 180
 ggtctgcaat taagagaact ctacaaaggg ctagtaatgg gacagttaat cgtttggata 240
 gttggcgagt ttcactttca atgctcgaag gtacacctgt g 281

<210> 47175
 <211> 283
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038531H1

 <400> 47175

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 gttggatttc gtagatctga ttcattggtca gcacatagat tgtggtggca gcacaatgga 120
 tcctggcagt ggaggaaaca gtcttggcaa caactctaa ctcgcttcaa aacaacgttt 180
 acggtggaca catgaattac atgagcgctt tgttgatgct gtggctcaac ttggtgggcc 240
 agatcgtgcc acacccaaag gtgtcctcag agttatgggt gta 283

<210> 47176
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038532H1

 <400> 47176

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 ttggaacaaa caaacatacc agtcaaaaat caaaatctca gagttgtttg aacgagaaat 120
 tgaaatgtct cagaccaaga aattgacgcc gaatctggat cagcagagca cgaaggtgct 180

gaatctcacc gtgctccagc gaatcgatcc gtacatcgac gagattctct tcaactgccgc 240
 gcatgtctcc ttctacgact tcaacatcga aagcaaccag tggag 285

<210> 47177
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038533H1

<400> 47177

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 accgaccatg gtgcacgtct ccttttacag gaactatggg aagacgttta agacgccccg 120
 ccgtccgtac gagaaggagc gtctagacgc ggagctgaag ctgggtggggg agtacgggct 180
 gcggtgcaag agggagctgt tgagggtgca gtacgcgctc agccgcatcc gctacaacgc 240
 gcggaatctc cttaccctcg acgataagaa cccgcgccgg atctt 285

<210> 47178
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038534H1

<400> 47178

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 aggacgtgag tattttaatt gaagaaaaac taaattatat ctgactatat atgatcttga 120
 agctttcatt tcagattact ttgtcaattc agtgctctta tcaatatagc agccacaact 180
 gctatattct tattagacct tcttatgttt cttctgaaat tcttttagcat tcgccaatgc 240
 ctgtcttggt tgtctgtttt taagtttaac aaatcacaca 280

<210> 47179
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038535H1

<400> 47179

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 tcgtctcaac tcaactggca tttctgaaca ctctaaaaaa ccagagccaa accccaaaca 120
 aaattgtctt ctctttctatt tctccaatta caactcgttt ccctaactcg gccgagtcac 180
 catggcgaaat cacccttccg aagctccac cgacgacttc ctggagcaaa tcttgggcct 240
 ctcgaccttc gcctccgcg accccgcgc cgacgcctct 280

<210> 47180
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038537H1

<400> 47180

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 tctctttctt tcctaattaa tcttccatg caaacaacg ctagactctc atactcatag 120
 tgacacacac agcttagttt cgttgtattg tatgtgtcct ttctcaattc tcatcatata 180
 tctgttcaag taccattatc tttctatgtt gagtgtcggc attttttgag tttctcacta 240
 ccacttgctt ttgtgttctg atacatgcat atatatacgt 280

<210> 47181
 <211> 294
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038538H1

<400> 47181

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 aaaaccaag tgcgagacac aatgatgaag ccatcgatgc tcagatctct tcaactctgcc 120
 gccaccgcg gcgcctccca cctctccgc cgtggctacg cctccgagcc ggtgccggag 180
 cgcaaggtgg ccgttctagg tgccgcggc gggatcgggc aaccctctc ccttctcatg 240
 aagctcaacc cctcgtttc cagcctctcc ctctacgata tcgccggaac tccc 294

<210> 47182
 <211> 276

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038539H1
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 ctagctgtgg gtgtggaagc agctgcaact gtggcagcaa ctgcggttgc aacaagtact 120
 cttttgactt gagttacgtt gagaagacaa ccacagagac tctagttttg ggtggtgggc 180
 ctgtgaaggc caatctggag ggtgctgaaa tgggtgttgc atctgagaac ggtggctgca 240
 actgtggatc aagctgcacc tgtgacccat gcaact 276

<210> 47183
 <211> 122
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038540H1
 <400> 47183
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 tctcgagggg taaaatcaaa taaattgata aatggtgtcg tgcggcttct tacagcgtat 120
 at 122

<210> 47184
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038541H1
 <400> 47184
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 gataaaaagt atctaagtta aggaaatcca gagagatcac aatagccggt caacgtccag 120
 ctacatgcat agacatcctc cttgacatca tttctcctcc tcttggtgtt ctctctaaat 180
 attgctgcta ggtggagttc tggatttgtt tgggtgctgac cctttttggt tatataacctg 240
 gacatatcta tgctgtctat gctatcacca agtgcacc ctt 283

<210> 47185
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038542H1

<400> 47185

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 attataaaaa atgaaacaaa tagaaatgga aagtaacgca tcagcactag caaagaaagt 120
 ttggagcatg gtacgtgtgg tgttggtcat gcttcgaaaa ggcataacaa aggggaagct 180
 catgatggac ctcaacatga tgctgaaacg ccgcggaag ctgccggca aagccattgc 240
 caacttaatg tcgtcccacc accaccacaa ccgcggtggg tcc 283

<210> 47186
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038543H1

<400> 47186

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 ttggacacta aatgttcac tccctcggtg atgagcatga tgggcttttt tgcgcttcc 120
 ttcgctctct gctctgtggt tttctcagtc tccattgttc ttcgagactc tccctcagat 180
 gccgcctgc acgaaccctc gtcactcgca gccctcttgc aaatcacaca aactctacga 240
 gatttggtca atgaaacctc tgattctgtt gagctgca 278

<210> 47187
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038544H1

<400> 47187

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 tggaggaatc agagaaacag gttttgaaac aaggttcttt ccagagggtta tgtctatcag 120
 atgtgagcaa ttcaagctcc actcaggcca ttgaagacat ttcaatttca tttgctggct 180

caaagctcta tgcattcaca cttgaggagc taagggaagc aacaaacagt ttctcatgga 240
 gtaacatgct aggtgaagga gggtttggac ctgtctaca 279

<210> 47188
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038521H1

<400> 47188

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 gagttctaata gagtaacgaa tacgattacc tgttcaagct tctcctaata ggagactctt 120
 ccgttggaata atcctgcttg cttctcagat tcgctgatga ctccatgctc gacagctaca 180
 taagtaccat tggagttgat ttcaaatca gaacggtgga gctggaaggg aaaaccgtca 240
 agctgcagat ttgggataca gctggacatg agcgattcag 280

<210> 47189
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038486H1

<400> 47189

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 tctctgggaa ggactaccag gancctccac cagcaccact cattgatgct gaggagctca 120
 caaagtgggc cttttacagg gctcttattg ctgagttcat tgccactttg ctcttctctt 180
 acatacactg tgctcacagt tataggggtac aagcaccaga cggatcatgc tgatgcgtgt 240
 gg 242

<210> 47190
 <211> 235
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038487H1

<400> 47190

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 gatgggtaag gcaaagggtc acatcagtat tgtggtcatt ggtcatgtcg actctgggaa 120
 atccactacc actggtcacc tgattttacaa gcttggaggc attgacaagc gtgttattga 180
 gaggtttgag aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgg 235

<210> 47191

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 701038490H1

<400> 47191

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 ctaaaccctg gctttctccg ctttaatttc tcgttctctc gccatcaagt ccatatacat 120
 cgttccagca tggagaagat aaaaataaaa ctactcatga aggatgaaac atttctccaa 180
 cacccttttg ttcttgctgt tgttctggtt ttaggccttg ttatgatgga cccttttc 238

<210> 47192

<211> 130

<212> DNA

<213> Glycine max

<223> Clone ID: 701038491H1

<400> 47192

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 tggaagctgg tgtttggtcc agcaggccag ggtgatgaga ctgaattcga ggtgttgaac 120
 ttcactggtg 130

<210> 47193

<211> 121

<212> DNA

<213> Glycine max

<223> Clone ID: 701038492H1

<400> 47193

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acagtttctg atgatgatga aatagactac acaaccaaac cagagtttta tgaccagat 120
c 121

<210> 47194
<211> 179
<212> DNA
<213> Glycine max

<223> Clone ID: 701038493H1

<400> 47194

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cctcctccgg ccagcgggaag atgccgctga tgggcctcgg caccgcgccg gaagcaacca 120
gcgcggttac cacaaaagat gctgttcttg aggccatcaa gcagggctac aggcacttt 179

<210> 47195
<211> 231
<212> DNA
<213> Glycine max

<223> Clone ID: 701038494H1

<400> 47195

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accagtttag ttattttatc aagatattct gtggttcaat cttggcattc atcttgttct 120
tgtcaccaa aatgatcatg gcattcagga atcaagtcac ttagaagaat tagaaactgt 180
ttgctgaatt caatctgcaa gcatatagat gaagcctatt gatagcaaca a 231

<210> 47196
<211> 232
<212> DNA
<213> Glycine max

<223> Clone ID: 701038495H1

<400> 47196

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ccagtgccaa tcagttccac gggaagccaa gacctcaagt agatcctgct cgagacctct 120

ctattcaagt ttttagagaag ttttctcttg tcacaagatt tgcccgtgaa acaacttcac 180
aacttttttg agaaaaccag agtaatggat ttagtcccat tgacaggagg ac 232

<210> 47197
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038501H1

<400> 47197

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tatgaattct cagaggccat ctgtgtatat tcattgaaaa atgatcatgg tggcagccaa 180
cttcaaaggc tgcagtatca agttacgaaa atgataaaag gattttctag ccctccagaa 240
gttaaataata caaattacaa tccggaaatc ttgacaactc a 281

<210> 47198
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038503H1

<400> 47198

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tgatctgagg taactcgccg tgaatctcat ccctttccct cgtctgcact tcttcatggg 120
tggatttgcg cctctaacct ctctgtggctc tcagcagtac cgtgcattga cagttccaga 180
gctgacacag caaatgtggg atgccaagaa tatgatgtgt gccgctgata ccaggcacgg 240
gcgttacctc acggcatcag ccatgttccg tggcaagatg ag 282

<210> 47199
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038504H1

<400> 47199

<213> Glycine max

<223> Clone ID: 701038507H1

<400> 47202

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gaaaccccgga attgataagg ggaattggaa agtactcgag gtcgcagatg taccacaaga 120
cgggcatttg ggctatcaag gccaaaaatg gtggcgtttt acctcgccac gaccctaaac 180
ccaaacctga aacacccgct gaaaaaccac ccaaatttta ccctgctgat gatatcaaga 240
agccccttgt caacaagcac aaacccaaac ccgctaagct cagg 284

<210> 47203

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038508H1

<400> 47203

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aatgtctaca ttggccatgg cttecccatg ctcacgttcg atgagcaaga ctttgtggcc 120
gagcttccctt ttaagtataa acccttcatt gaatcagtga acaaacgagg ccttaatatata 180
tctgaagttg tgtgtttctac tgccctcggtt ggggtggtatg gggagataaa gagcaaaagg 240
aactgaagc ttcagtgtt tcacacacaa ggggtctataa atttg 285

<210> 47204

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038509H1

<400> 47204

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caagctgtcc aagaatacta ttaccatctt atgggttagga gggctgttgg atgtgtctcc 120
acagccaatc tattagtaaa ggcttctcag acggcagcag gttcacgaga tcttgtgatg 180
tttcatgaca attctgtagt catggtaaca gagtcagatc tagaagggtta cgacccaagt 240

agtcaatcag ccatggcaag tgaaatatgg gcagatttaa gtg

283

<210> 47205
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038510H1

<400> 47205

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gatggagcct gtgggtttgt ctgacctaata ttcgctctat tggaacactg caacgggttt 120
gggtgcttgg agtgatcaac ctaacaacat tggtccttca gtcacttctc tgatctagag 180
aaaaagatga agcatcgttt tcaaaaagct acatatgaag aagaagaaag tctctctccc 240
tcgtttaatt aagggtcatct tttggtcctt ttaggcttag gtttt 285

<210> 47206
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701038512H1

<400> 47206

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agtcttctta atcttacttt tattcttcac ttaaaatgga aacccttatt ggaaaaacat 120
tcttcacact cttatttcca tcttcagttt tctcaatagt ctggtcaagt agtggaccag 180
ctccatccag caacatagat tgggtggtgca actaaccaca caccctgtgc catgcaaaca 240
ctacaccatt actcaaatga agagccatca tttccaaatc aa 282

<210> 47207
<211> 260
<212> DNA
<213> Glycine max

<223> Clone ID: 701038514H1

<400> 47207

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tgatctgagg caactggcgg tgaatctcat cctctccct cgtctgcaca tcttcatggt 120
 tggattcgcg cctctaacct ctggtggctc tcagtagcac cgtgcattga cagttccaga 180
 gctgacacag caaatgtcgg atgccaagat tatgatgtgt gccgctgac ccaggcacgg 240
 gcgttacttc acggcatcag 260

<210> 47208
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038515H1
 <400> 47208

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 tgccaaatct caggctgatt acgtattggg caagaatcct atgcatatga gttttctggt 120
 gggctatgga gataaatacc ctcaatttgt gcatcatagg ggtgcttcaa ttcctgctga 180
 tgcatcaact ggctgcaagg atggcttcca gtggcttgag tcatctgac ctaatcccaa 240
 tgtagctact ggagcacttg ttggtggacc cttcttaaag gag 283

<210> 47209
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038516H1
 <400> 47209

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 actggtcacc tgatttataa gcttggaggc attgacaagc gtgttattga gaggtttgac 180
 aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaactt 240
 aaggctgagc gtgaaagagg aatcaccatt gatattgctt tg 282

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 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038518H1

<400> 47210

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cggcaacggc tgcggaggct gcaagatgta cccagacttg agctacactg agtcaaccac 180
caccgagacc ttggtcatgg gagtggcacc tgtaaggct caatttgagg gtgctgaaat 240
gggtgtgccc gctgagaacg atggctgcaa atgtg 275

<210> 47211

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701038519H1

<400> 47211

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gacatggcaa ctactacact catgaagctt gctttcatgc ttctcatgaa ccttgttatc 120
tgcagcgcag aatcttccat cggcagaaaag tccaatccta acccagaaga gttcgtgaag 180
tcctcgtgca gggcaacacg gtaccctggt ctatgcgtca agtctctggt ggcctacgca 240
agcgtgattc gccgaagcga ccgacaacta gccacgacc 279

<210> 47212

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038520H1

<400> 47212

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cgttatgatt ccatttccca tgagcaatat ttgcatggg aaagtcaaag tatcaactac 120
ggataacggt aggtagatga tgctttgact ttcccatgca aaatattgct caccganatg 180
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catagcaacg gtatatgttt aattgatcaa ta 272

002220"CTT2560

<210> 47213
<211> 210
<212> DNA
<213> Glycine max

<223> Clone ID: 701038483H1

<400> 47213

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aacactcaaa tctcgtttcc acctaaacga cttcgttttg cgctcttttc ctttcttctg 120
atthaggttt cagagggaaa aggagcagcg atggactcac gcacgtataa tctctgcacc 180
gtcgaagagg tttttaggga tttcaagggc 210

<210> 47214
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701038434H1

<400> 47214

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tcttctcact ttcacttctc ctaatgggtc tcttcacttc atctcaaacc accccagcac 120
catcaccttc ctcaacccca acagacatc 149

<210> 47215
<211> 148
<212> DNA
<213> Glycine max

<223> Clone ID: 701038435H1

<400> 47215

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caccactcac tcaactcact cactccctca caattcacia tcttcacggt gcaccattca 120
catgaagctc ctctcgcgct ccgtgttt 148

<210> 47216
<211> 193

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038436H1

<400> 47216

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 ggactaccac agtgaccaga agttcaccat caccacctac tcacccactg gagttgctat 180
 aacagcatca gga 193

<210> 47217
 <211> 203
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038437H1

<400> 47217

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 cttgaccacc ttcgaagact ccgagaagga gagtgaatac ggttacgttc gcaaggtttc 180
 aggacccgtc gtcggttgagg atg 203

<210> 47218
 <211> 250
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038438H1

<400> 47218

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 cccattttcc caggtggcac atattacatt atgccatcaa cttggggcgc tgccggtggt 180
 ggattgaaac taggccggac aggaaactca aactgcccag ttactgtttt gcaagattac 240
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<210> 47219
 <211> 198
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038439H1

<400> 47219

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 tgccggcaatt gcagctgcct ttgggggagg tttgcctcct ggcataactg gaacaaatga 180
 aagggtgtaca cttcttgt 198

<210> 47220
 <211> 245
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038441H1

<400> 47220

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 gctgtggacc ccaggatoga gatttgcatt ctcccgttg gtgatggaat cactatctgc 180
 cgtcggatca agtgatttct gatcatcata atcgtggacc accgttgctt cttctgcaca 240
 cccta 245

<210> 47221
 <211> 112
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038442H1

<400> 47221

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 ttcgtctctc agcaattcct tccgccacct tgtccctcc gatcgccgtc tc 112

<210> 47222

<211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038445H1

<400> 47222

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 ttttgggtgt tgggtggagtt ggtctcaatg gaggcttcaa caaaggaatt tactccaagc 180
 ctgggttttgc caatcttaac aacaatatta acctgaatat caatcctaag ggacacaa 238

<210> 47223
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038446H1

<400> 47223

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 agcctgaacc gatcatgtca gaagggtgcag aaattgatga gcgtgtggac cttgacgagg 180
 aaaattatat ggaagagatg gatgatgatg ttgaagaaca aatagatgat gatggagt 238

<210> 47224
 <211> 184
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038447H1

<400> 47224

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 atggcgtctg gatcctcggg tcgcggaac tctgcctcga aaggcttcga tttcgcttcc 120
 gatgacatcc tctgctccta cgacgactac gccaacgcg attccagttc caacggcaat 180
 caca 184

<210> 47225

<211> 228
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038448H1

<400> 47225

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 attccaactc atccgcgaac tcacgacca ctatcctttt atctcgatgg acacagaatt 180
 ccccggtggt gttttccgac cacacctgga cccacaaaa ccctacaa 228

<210> 47226
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038450H1

<400> 47226

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 catggcactc tcttctcgtc tcttttccaa atccacattg atctatgggt gtcaaatact 120
 tctgcaaaag gagcatgcta ttccagttcg tcactttgct aaagagtctg cccctcctgc 180
 ccttaaggga 190

<210> 47227
 <211> 128
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038451H1

<400> 47227

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 aactagtgca cgtgaaaaag ggttccaaat tcgtgacttt gaatacagtc cagaaacaca 120
 tgagaacc 128

<210> 47228
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 <212> DNA

<213> Glycine max

<223> Clone ID: 701038452H1

<400> 47228

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acctgctgga ttgttttcaa acattaacat tgatattact ggctatgctg ctgttgtaag 180
gggcatggga actatgggag ctgctgctaa taacaccagc gaggaagcaa acttttcacc 240
agca 244

<210> 47229

<211> 186

<212> DNA

<213> Glycine max

<223> Clone ID: 701038455H1

<400> 47229

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cccttgtttg tctgtctctt tgtttctttg gcttgacaag aagaagatga tgatgatgac 120
aatggagggg atgatggaca aggggggtgtt ggatgatgtg ataagaaggc ttctggaagg 180
gaaagg 186

<210> 47230

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 701038457H1

<400> 47230

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tcacccgacc agcatggtga agaataaggt ccccgattgg ctcaacagct ctatatggtc 120
ctcatcatcg ccgtcgtccc ctccctctctc cgccgtcgcc agccccttcg aacagccacc 180
gcgtctctcg tctcccgccg tcgtgacccc ctttgaacca ccgcctccgc gtctctccgc 240
g 241

<210> 47231
 <211> 239
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038458H1

 <400> 47231

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 tacaagttct ttgaataaga gtctgagtgt atcacctcta agctacgac ttcatgactc 180
 atatgagggt gcttctatтт atttggtggc catttttcaa gtgttgттct tactaagtt 239

<210> 47232
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 <212> DNA
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 <223> Clone ID: 701038459H1

 <400> 47232

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 gcaactctaa cagatatacc actcctattg gcaatagcgg gggcaatggg agaagcgatt 120
 ctcttatgaa ctcag 135

<210> 47233
 <211> 124
 <212> DNA
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 <223> Clone ID: 701038461H1

 <400> 47233

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 gaac 124

<210> 47234
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 <212> DNA

<213> Glycine max
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 gcataaatca tcgtttccat tgaagtttct gttccgatgg agttaatttc gggattgccca 180
 gaggatgttg cccgagactg tttta 204

<210> 47235
 <211> 83
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038464H1
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 gagattctcg catgaacatg cag 83

<210> 47236
 <211> 186
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038466H1
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 aggtggggtc ttactgggtc tccaagaagg ccagcaagga atttaactct gtcggcgatg 120
 atatcaactc actgtcaacc agtattgaag ggggaaccaa atggttggtc aacaagttaa 180
 aaggaa 186

<210> 47237
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038467H1

<400> 47237

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 atgcgcgtgc aagctgatca agctgaagtt tctgggtggtg tgcaagggtc tgtggtgcct 120
 gggtttctct caaatcccct gatggaagct ctttcaacta tgccatcaca ggataaatca 180
 tatgctgct 189

<210> 47238

<211> 78

<212> DNA

<213> Glycine max

<223> Clone ID: 701038470H1

<400> 47238

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 gctgaagcat ctcgata 78

<210> 47239

<211> 134

<212> DNA

<213> Glycine max

<223> Clone ID: 701038432H1

<400> 47239

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 agagcttaag gcactaactt ctttagaaac tgaatagcca atttcagtga tctccaatta 120
 tgtaaaatgt ggat 134

<210> 47240

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 701038471H1

<400> 47240

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 cgttctccgc ggaaccatgc gcgccacac cgacgtcgtg acggcgattg ccactcccat 120

cgacaactcc gacatgatcg tgacggcgtc gcgcgacaaa tccatcattc tctggcacct 180
 caccaaggag gacaagacct acggtgtccc ccgcgcgcgc ctcaccggac attctcactt 240
 cgtc 244

<210> 47241
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<223> Clone ID: 701038472H1

<400> 47241

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 agcgagagtc gcgg 134

<210> 47242
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038473H1

<400> 47242

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 aggattccga gaagcacaag gtggaatacg aggttcaccg cctcgtcgta aacagagacc 180
 ctaaatacac aaatttcgtc gagtttcgta cgcacaagat aatatacagg cgatatg 237

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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038474H1

<400> 47243

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 ttcggatctt caatctcatc tccgatctca aaatgcccgc tgtttatgga gctcgcttga 120

ccaccttcga agactccgag aaggagagtg aatacgggta cgttcgcaag gtttcaggac 180

ccgtcgtcgt tgcggatggc atggctgggtg ctgctatgta tgaactcgtg cgtggt 236

<210> 47244

<211> 61

<212> DNA

<213> Glycine max

<223> Clone ID: 701038476H1

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t 61

<210> 47245

<211> 190

<212> DNA

<213> Glycine max

<223> Clone ID: 701038477H1

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gaacgattat ttggtttaat tgttctgctg gagctttctt aagacggttt ggcgttttaa 120

cgccaaagcc aaaacaggag aaagaacatc atctcttcgc taacttgaac tagcatggat 180

gtttgctact 190

<210> 47246

<211> 183

<212> DNA

<213> Glycine max

<223> Clone ID: 701038481H1

<400> 47246

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gctctccaat ggactctgga tcaattgcta tcccctgcaa atgttcctaa gttcaagatt 180

ttt 183

<210> 47247
<211> 159
<212> DNA
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<223> Clone ID: 701038482H1

<400> 47247

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ttctaagctc tgaaaacgtg gcagcctccc ctgaagatcc ccaaactgga gtctcatcca 120
aagacatagt catcgcagac aaccctacg tctccgctc 159

<210> 47248
<211> 136
<212> DNA
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<223> Clone ID: 701038383H1

<400> 47248

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gcggctcggg aagtccggcg agaagggcat cgcgtggtgg ttttcgagaa aacggcacca 120
gtgggtggca tgttgg 136

<210> 47249
<211> 134
<212> DNA
<213> Glycine max

<223> Clone ID: 701038385H1

<400> 47249

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agatgcagat attcgtaaaa actttgaccg gcaagaccat cacccttgag gtggaatcct 120
ccgacaccat tgac 134

<210> 47250
<211> 100
<212> DNA
<213> Glycine max

<223> Clone ID: 701038386H1

<400> 47250

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cagttaattc caaaatgtgg acaatcatcc acaagggttaa 100

<210> 47251

<211> 132

<212> DNA

<213> Glycine max

<223> Clone ID: 701038387H1

<400> 47251

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tatcttatct tcggaagcca ttcctctgga tttagaagta gcagatgggt accgatgaag 120

gtttgggttc tc 132

<210> 47252

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 701038389H1

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aaggacttct ctttgaaggc tgtgatctta tggagcctga ca 102

<210> 47253

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 701038391H1

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ggccagcgga agatgccgct gatgggcctc ggcaccgcgc cggaagcaac cagcgcggtt 120

accacaaaag a 131

<210> 47254
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038393H1

<400> 47254

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 tgagctgcaa gacactggag agcgtgggtc aaagagatta aggagtagtg accaggaagc 120
 tctgaag 127

<210> 47255
 <211> 104
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038395H1

<400> 47255

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 tcattccttg ctactgcact gctgggatct caggggggtca catt 104

<210> 47256
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038401H1

<400> 47256

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 ggctctgttt ctgcacttgc gtccacacac cactgcaaac ccaaaagcac ttcgccatct 120
 cccaaaccca ccaagcccaa agcctcgtct tcccttcata ggacaccttc atctcttaaa 180
 agacaaactt ctccactacg cactcatcgc cctctccaaa aaacatg 227

<210> 47257
 <211> 160
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038403H1

<400> 47257

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cctcttcgct ttcacaacgt taatagttgt cttcagcttc aacacttcac cagtctcagc 120
tcgtttattc cccaacgtgt cttccatccc aacctggaat 160

<210> 47258

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 701038404H1

<400> 47258

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ctgagaaagt cttgcagaac tataatggca cgatgatgcc caatacagat caggcattcc 120
gtctgaattg ggccacatta cgctgcgggg gaaaggcggt cttccgatgc tacttctgat 180
ctctctatat ttgtggggga cttggccatt gatgttactg atgctatgct gcaagacact 240
tttgctggcc gatattcg 258

<210> 47259

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 701038405H1

<400> 47259

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atgggtggtg ggtgcaagtg cttggtatcg ttggtgttgg ctttgggtgt gatgaggagt 120
ttggcggacg cgcaatcggg caccagcacc acttgcgccc aggagctaata tccatgtgtg 180
aactttctga atgggacaac caccacacca agctcttgct gtgacctct caaacaacc 240
gtggaaaacc aactgg 256

<210> 47260

<211> 254

<212> DNA

<213> Glycine max
 <223> Clone ID: 701038406H1
 <400> 47260

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 attaagattt cgttttgtgt gatgtgtgtg ttgggggttg tgatcgtggg tgatgttgcc 120
 tacgctcaag attcagcaga agactacgtg aatgcacaca atgcagcacg agcagaggtg 180
 ggttctcaat caccaagaca aacagtgatt gttccaagtt tggcttggga tgatacggtt 240
 gctgcttatg caga 254

<210> 47261
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038407H1
 <400> 47261

gaaaccagat tagaggagta gtttgtgttg cgattgacga cgacgataac gacaacgacg 60
 aagcatcatg tcttccggcg gcggcgagg cgagcaaaag ccgttcttct gccacgtgtg 120
 cagtcagagg atcacgtgct ccgatgagtc ggaacccttc tgcccgatct gtatggaaag 180
 tttcgtagaa gaatgcaacc ctaacaacc taaccctaata cttttccccc agaatgagga 240
 atcttctgat tccga 255

<210> 47262
 <211> 148
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038409H1
 <400> 47262

ggctaacttg tgcgtatcag gttttgctcc tttcaatttt ctgtttatct cattcattcc 60
 gctgctgagg tcaagccnat cacactgggc gcccaacttt ccatgggaaa ctgcttctcc 120
 gaagtcgccg caggcgccgc gccatcgg 148

<210> 47263
 <211> 179
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038412H1

 <400> 47263

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 aatataggat aggtttcaaa ataagagggt tttgtggcat ccttggtggt gcattgagct 120
 ttgatctaata tgttcttgaa caatgttcat ttccaaatga gtttactttg ttggttaaa 179

<210> 47264
 <211> 186
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038413H1

 <400> 47264

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 gattgtcggt ttggttcaag aaaaccgttc ctttgaccac atgttgggat ggatgaagtc 120
 cctcaaccgg gaaattgacg gggtcaccgg tttggagtca aaccagggtt ccacattagc 180
 tccaaa 186

<210> 47265
 <211> 231
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038416H1

 <400> 47265

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 tagcaattca acaacgtatt cgaccaacga ggcttcttac gctccagtcc cacctcccca 120
 gcccaaacct cttgtcgatt ggtccaccgg cctctgtgac tgcttctccg aatgtggaaa 180
 ctgttgcatg acgtgttggg gtccatgtgt tacctttggc cgagttgcag a 231

<210> 47266
 <211> 191

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038418H1

 <400> 47266

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 taattttcat gtctgcaatt gcaagtgcaa gtgccgtcga accgtgccac tagaccaaaa 120
 agtggttttg ttgttgccac catgtgtgtg caagatggtg aacaagctgg tgaagatcat 180
 atagagaaga c 191

<210> 47267
 <211> 224
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038420H1

 <400> 47267

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 tcctctgccc aacagaggat gccagtgggt ggaatgggat ctgcccctga cttcacatgc 120
 aagacagaca caaaggaggc tatcattgag gccgtgaaac agggttacag acacttcgac 180
 actgctgctg cttaacgctc tgaacaggct ctcggtgaag ctct 224

<210> 47268
 <211> 194
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038421H1

 <400> 47268

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 attgacggaa aggataatgg acctgaactt ggtatttggg aattggatct aagatctcag 120
 ttccctgttc tatttgaacc ctacaaagaa gtgcgggaca agattcccca ttctgaagtt 180
 attgaaaagt gcac 194

<210> 47269
 <211> 258

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038422H1
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 tttcatctcc aaagggatcc acaggccgaa ggagaaatgg ggctgacatt cacaaagctt 120
 ttcagtcggc ttttcgcgaa gaaggaaatg cgaattctga tggttggtct tgatgctgct 180
 ggtaagacca ctatcctgta caagctcaag ctcgagaga tcgttaccac aattcctacc 240
 atcgggttca atgttgag 258

<210> 47270
 <211> 130
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038382H1
 <400> 47270
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 agctctcggt tttcgcgtaa actagtcggt catcccaaaa tggtttgctt ggcttggttg 120
 ctgccccctt 130

<210> 47271
 <211> 255
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038423H1
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 ttttccttag atctcatcta atccaccacc cctcgctctc gccttttggt ttgtttttca 120
 ctttttcaga acaaggtacc tttattatct ttggaagcac ttcaccatct tcacatcttc 180
 atttttgtcc tcgctgtcgt acacgtctcc ttttccttac tcaccgttgt cttcggaggc 240
 gccagaatac gtcac 255

<210> 47272
 <211> 185
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038424H1

 <400> 47272

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 tcttccttac ctttgaccag acacagagca gcactcacat tcacaacgaa ggtttcctat 120
 tcatcagaca tgggtgaaggc aatcagagtt cacgaactcg gtggccctca agttctgaag 180
 tggga 185

<210> 47273
 <211> 185
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038425H1

 <400> 47273

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 tgagatatgt actccattca ccttatatat aacacgatgc ctgtatgatt tattcttggc 120
 tggatatatt tcaccatcta tgactctgtt gatgccctac tactactggg aggaaccacg 180
 agtga 185

<210> 47274
 <211> 249
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038426H1

 <400> 47274

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 cgcagaacct ccggcagaaa ttgccaccgc aaacacgtgg aagacgggta gtagtactcc 120
 atacccatt ctctcatatt ccctttacta attaaagatc atgaacagcg agagacagtc 180
 gacgacgacg acgttgctgc acggcaagta cgagctaggt cgtgtgctgg gggcaggaag 240
 cttcgccaa 249

<210> 47275
 <211> 192
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038428H1

<400> 47275

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 gccaccgggt gacttggaaac ttgcggtctc gcattcggaa tcccaggacg tcgatttgag 120
 gaaattcgac atccgttcgg ctctcaacga ggtgtttgga caattagggt ttggggcggt 180
 tgacggagga gg 192

<210> 47276
 <211> 248
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038429H1

<400> 47276

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 gaaggctggt gtaactggat tttgtatggg aggtgctctc tctattgccca gttctgtctt 120
 ggttcaagag gttgacgctt ctgtagcatt ctatggagtt cctgcttctc aacttgctga 180
 ccctgcacaa gccaatgctc ctgatgatgc tcattttgga gagctggaca cttttgttgg 240
 cttttcag 248

<210> 47277
 <211> 142
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038431H1

<400> 47277

aacagcagac aagaaaaatg gagattgagg acacatcaag tagagtatct attgcatttc 60
 ctcttggtt agctcttctt gttgcctgtg tgcgagttct catgttgctt ctattgttgc 120
 tgcatgcact gggaaaaact cc 142

<210> 47278
 <211> 151
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038317H1

 <400> 47278

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 cataaaagct cgggtctatt atgaatatgg aaacatagaa gagcttctca aatttgaatc 120
 taacataccc ataaccagaca tcaaggaaga c 151

<210> 47279
 <211> 158
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038318H1

 <400> 47279

 ttcggctcga tggcatcact accccaaatg tctaccacat taggagcttg catgagctca 60
 aacaagacta tcaaccacg accatgcatt gcccaattaa acaacaaca caacaacaag 120
 aggagtactc ctttcagcaa tttaattgtc aatcacca 158

<210> 47280
 <211> 144
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038319H1

 <400> 47280

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 cttattgcc aatgggggaac gtttaggtgca gcaattaagc ttctagaacg tgttgggggtg 120
 catgttggtg agtgtgcttg tgtg 144

<210> 47281
 <211> 143
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038321H1

<400> 47281

ctttgaagga attgggttatg cttcggtttac ggaggcacga gctattttgc aaagggcaat 60
taaccaagcc gtgcaaggggt atcctattat ttgggtcccc tggaacaggt aagacaatgc 120
ttgcaaaggc agttgctacc gaa 143

<210> 47282

<211> 129

<212> DNA

<213> Glycine max

<223> Clone ID: 701038322H1

<400> 47282

ctacacttgt tcctcaccag gagactcttg agtcaaaggt tactgagtct aaggccatgg 60
ttaaatttca acttaagaca gtgctctgca tgggagtagc tgtgggcaat gttagtatgg 120
aggaaaagc 129

<210> 47283

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038326H1

<400> 47283

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tgaagaacac cctgtacttc ttaccgaggc acccctcaat cccaaggcca acagagagaa 120
gatgaccagc attatgtctg 140

<210> 47284

<211> 138

<212> DNA

<213> Glycine max

<223> Clone ID: 701038328H1

<400> 47284

gaaattacca gttactatac tctctctttc tgaacaatt tgcccaattg tttgagatgt 60

tcaatatgag atctgtatct caagattggg tggtttcatg tgcactaata cttctggtgt 120
catgcacaac atactcat 138

<210> 47285
<211> 140
<212> DNA
<213> Glycine max

<223> Clone ID: 701038330H1

<400> 47285

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tttggagcag ttgcctgggg tgatatcatc tcttgacgca cacatggaaa atgggttgca 120
aaatgttcca catctagaga 140

<210> 47286
<211> 139
<212> DNA
<213> Glycine max

<223> Clone ID: 701038332H1

<400> 47286

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agcttttggg gtggcatcta tgcccgtgat caaagtacta atactcactg cagttggcat 120
gcttcttgca ctggataac 139

<210> 47287
<211> 149
<212> DNA
<213> Glycine max

<223> Clone ID: 701038333H1

<400> 47287

gcataatcgc tgacgcagat gcaaacatcg aaggagaacg cgatgctttg ttcctctttt 60
gttcttcccc ttccaatct tcaactttag ggttccttta atctcgttat tctctttcac 120
tcccaagctc cgttcactcc aacaacact 149

<210> 47288
 <211> 147
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038334H1

 <400> 47288

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 tccgatgacg accgctgcaa gaccacatg ggcacctgct aaaggtggca acgaacaagg 120
 tgggtactcga attttcgggtc cctcaca 147

<210> 47289
 <211> 141
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038336H1

 <400> 47289

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 attgggtcga gagattgaag cctttcgcag ctgtggtatc aatacagttt ggatatgcag 120
 ctatggatgt tctatccaag g 141

<210> 47290
 <211> 136
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038339H1

 <400> 47290

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 tccccagtttc aaagcctaatt tccctcattc ccatggcctc agaagagccc agtgtcgcgg 120
 tgggaccccg tcccca 136

<210> 47291
 <211> 131
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038342H1

<400> 47291

cagaaaactca aaagcatggg gtcttctagt tattttcttca cttccttgct tctgggttgta 60
gtgttcaatc tggctaaagg gcagcctctg gtccctgcat tgttcatatt tggggactct 120
gctggtgatg t 131

<210> 47292

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038343H1

<400> 47292

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cttgtattgg cttctcaaat ccatgtttcc tctgggaaac tagtccctgg actatcatgg 120
aattactatt tgttg 135

<210> 47293

<211> 139

<212> DNA

<213> Glycine max

<223> Clone ID: 701038344H1

<400> 47293

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agcagagaca ttgcctagag gtctccactg tcttccgttg cgccttataa ctgagtatta 120
tagcttgagt acttctcag 139

<210> 47294

<211> 140

<212> DNA

<213> Glycine max

<223> Clone ID: 701038345H1

<400> 47294

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tagaaatgga acacaagaca agtctccaag catcctaaag tatgatggag tggatttttg 120

ttgaaggata tgattagaga

140

<210> 47295

<211> 142

<212> DNA

<213> Glycine max

<223> Clone ID: 701038347H1

<400> 47295

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cttgtattgg cttctcaa atccatgtttcc tctgggaaac tagtccctgg actatcatgg 120

aattactatt tgttgacatg tc 142

<210> 47296

<211> 141

<212> DNA

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<223> Clone ID: 701038348H1

<400> 47296

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cgtgttggag atcgtgatga ccttcgggtt ggtgtacaca gtctacgcca ctgccgttga 120

ctccaagaac ggcaatttgg g 141

<210> 47297

<211> 144

<212> DNA

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<223> Clone ID: 701038349H1

<400> 47297

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caagacgtgg aatgcctcgt taacacggta gagcgacaat cggaaccatc atcatcgtca 120

tcatcatcat catcatcgtc atcg 144

<210> 47298

<211> 142

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038350H1
 <400> 47298
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 caggaatagc ttagtgatatg tactgctggt gtttgcattc tgtgaaatgc aaatcattga 120
 cggaaaagac actctaacct gc 142

<210> 47299
 <211> 141
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038351H1
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 ggccagcgga agatgccgct gatgggcctc ggcaccgcgc cggaagcaac cagcgcgggt 120
 accacaaaag atgctgttct t 141

<210> 47300
 <211> 117
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 <213> Glycine max
 <223> Clone ID: 701038353H1
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 caactgctgg gaacatcacc actgaaatcg gggatcatgc aaccgctaca aagtgg 117

<210> 47301
 <211> 134
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038354H1
 <400> 47301
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tcagttcctt cgatggaatt cgtggcttct tcttcttctt tctcacagtc ggaatcttca 120

tcattcttct caaa 134

<210> 47302

<211> 147

<212> DNA

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<223> Clone ID: 701038315H1

<400> 47302

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tcttcactct tggctcttgcg agagaaagcc atgccagaga cgaagatttt tggcatgctg 120

tttggcaaac actcccatte caagtcc 147

<210> 47303

<211> 99

<212> DNA

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<223> Clone ID: 701038355H1

<400> 47303

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agaagattag gatcggcatc aacggatttg gaaggattg 99

<210> 47304

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701038357H1

<400> 47304

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tcactctaac tttca 135

<210> 47305

<211> 136

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038359H1

 <400> 47305

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 ggataattcc agaacctgaa gtcaatattg tgcgtcgaga aaaaaatgat cagtgtctta 120
 ttctagcaag tgatgg 136

<210> 47306
 <211> 136
 <212> DNA
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 <223> Clone ID: 701038360H1

 <400> 47306

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 tttcgatggg gaatgatgca gggtcaccgc cagggtccggg tacgtgtggg tcgtggattc 120
 ggaggcccga gaattt 136

<210> 47307
 <211> 138
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038361H1

 <400> 47307

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 tctttcatca tttcattatt taataacaat tattattctc aatgggcaag actcctttct 120
 cctttcgtcg ctccgcct 138

<210> 47308
 <211> 134
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038362H1

 <400> 47308

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tctttctctt ttccttttgt ccattatgaa tggctaattgt catcgagct agagatatga 120
aggtagacct gcga 134

<210> 47309
<211> 139
<212> DNA
<213> Glycine max
<223> Clone ID: 701038366H1
<400> 47309

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gcggcggcag ccgcaggggc agcgcaccga agaagagaac gttcaagaaa ttcagcttca 120
ggggcgtgga tctggacgc 139

<210> 47310
<211> 138
<212> DNA
<213> Glycine max
<223> Clone ID: 701038367H1
<400> 47310

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tgtagtaaaa gggctctgcat ctagtactcc caataaaaga caaaaaagag aagcaaattc 120
cttcttcctt aatttact 138

<210> 47311
<211> 130
<212> DNA
<213> Glycine max
<223> Clone ID: 701038368H1
<400> 47311

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cccaacgaat catcctccct ccattgcttca gcatgtgtgg cgggggatag cgctgcttat 120
caaaggacat 130

<210> 47312
 <211> 135
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038370H1

 <400> 47312

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 cttcatggat tgtcaagttc ctacttgaac gtggttacac tgtcagggcc actgttcgaa 120
 acccaaatga tcaca 135

<210> 47313
 <211> 136
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701038371H1

 <400> 47313

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 cgccgtgttt ggagatccaa agggcatccc catccagcaa accatttaca gggacactcc 120
 tgctcctttc aactgc 136

<210> 47314
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 <212> DNA
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 <223> Clone ID: 701038372H1

 <400> 47314

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 tagagagcga gttggtgttt ctgtttccgc ttccaaatcg gaggatcgga agcgaatcaa 120
 cgacgttctc gataag 136

<210> 47315
 <211> 135
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038374H1
 <400> 47315
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 tcccgtagact tctcttaatt taactcaatt cttggacatt tattttcatt tcagctcttt 120
 catcgtagc gtttag 135

<210> 47316
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 <223> Clone ID: 701038376H1
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 aagattgcac tgggggtctc cactggctta ctatgcgagt tacacgtgag ta 112

<210> 47317
 <211> 133
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038377H1
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 cccgagagac agccaattgg gacggcggcg cagagccaag acgacggcaa ggactaccag 120
 gagccggcgc cgg 133

<210> 47318
 <211> 131
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038378H1
 <400> 47318
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gtaagacttc aaaacggctct gaaagaaggc atgtgtcatc atatggacct gctggctcct 120
catcttcacg g 131

<210> 47319
<211> 137
<212> DNA
<213> Glycine max

<223> Clone ID: 701038379H1

<400> 47319

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tttttcttgt gcgtgtccag ttatttgtac gtgatagaat tagagagaaa gagacaaatt 120
gagttttgtg tttgatc 137

<210> 47320
<211> 169
<212> DNA
<213> Glycine max

<223> Clone ID: 701038276H1

<400> 47320

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agtgcaaagg aagagacagt tgacatcttg gagaagcatt ctttcgttga ggcagagacc 120
acgtaatata agttgtgatt catttgcagt gtcacgttct agtctatgc 169

<210> 47321
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038277H1

<400> 47321

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gtccacagga ggaaaggctc ctaggaagca gcttgcaacc aaggctgcac gtaagtctgc 120
accaactact ggtggtgtga agaagcccca ccgtctcatc gtcctggtac cgttgctctt 180
cgtgaaatta ggaaatacca gaagagtacc gagcttttga tccggaagct ccccttccag 240

aggctggttc gtgaaattgc tcaggacttc aagact

276

<210> 47322
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701038278H1

<400> 47322

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tatectgccg ccatccacca cttctccgat gccatcgccc tggctccctc caaccatgtc 120
ctctattcca accgatccgc cgcatacgcc tccctcaaaa actacgcaga tgcattagcg 180
gatgccaaaa agacagttga actcaagccc gactgggtcca agggttacag ccgtctcggg 240
gccgcgcatac ttggcctttc ccaatacgat gatgct 276

<210> 47323
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038279H1

<400> 47323

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catttaacaa tattttccaa agtccaaagt caaacacatt caatgattca aatagcatcg 120
tgtgttcact ctgttttagta gcatccaaaa tggcgcattc ttctgtaata gtcttcctct 180
gaactctcct tctcttcttt cctccgtcaa ttcgtgcctc caacgatgac gtggcgctgc 240
acgcgaagaa gctcatcaga gacctaact tgttc 275

<210> 47324
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038280H1

<400> 47324

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 ctctgggttc atcatcatct ctctatctgc accccttttg agaacttcaa cttgttactt 180
 aattactcta ctctccctt tctagcttct gtgttcttct tcttcgggtc tctcttcatg 240
 ggggtgctgt taagtgccag gatcaaagct gagagccct 279

<210> 47325
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038281H1

<400> 47325

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 tggctctcca acgaacgtgc gccatgttgc gcatgtcacc tttgataggt tcaatggttt 120
 cttgggcttg cctgttgagt ttgaacctga ggtccccaga aggcctccta gtgctagtgc 180
 atctgttttt ggagtttcaa cagaatccat gcagttgtcg tatgactcaa gagggaacag 240
 tgtgccaaca atactgctgt cgatgcaaag gcatctgtat g 281

<210> 47326
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038282H1

<400> 47326

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 gaaaccattt cattttcgag cgcgtcgctt tcgaatcaa tggccttcaa caacgcactg 120
 agatctgccg cgaagtcgtc gcttcttccg aatcttcctt ctctaactca gtgagcagag 180
 gttttcattc aactggcatg aagaggatgg gaggtggaca tggcatgat gagccctact 240
 atcttcatgc aaagcacatg tacaacttgg acaagatgaa g 281

<210> 47327
 <211> 283
 <212> DNA
 <213> Glycine max

09531113-032200

<223> Clone ID: 701038283H1

<400> 47327

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tcgatgtcat ccacttgcta gacatgggtgt gtgagaaata tggagggcga gtggatatgg 120
cgaaagcata ttacaaagct ctcaactgctt ccgtgagaaa acattttaag ggcaacggcg 180
tcattgccag catggagcat tgcaacgatt tcatgttgct gggaactgaa gcaatatccc 240
ttggtcgtgt tggggatgat ttctgggtgca ctgaccctta tgg 283

<210> 47328

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038284H1

<400> 47328

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gttgatgggtg cttatcatgc ccgacaatca ggacaaacat ctgcaacacc tatttcaagc 120
aaggaaaata atgtgaataa agctaataat gaatggaaat caccacagaa atcagagcct 180
gtaaatgatg agtttggaca gagggcaaat aagccccgca gatactcgga gatgaatttt 240
gggcaatgaa gtattataga atgcaacttg tttgaataaa aa 282

<210> 47329

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701038285H1

<400> 47329

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tgggagcgaa caagttcccc gagagacagc caattgggac ggcggcgag agccaagacg 120
acggcaagga ctaccaggag ccggcgccgg cgccgctggt tgacccgacg gagtttacgt 180
catggtcgtt ttacagagca gggatagcag agtttgtggc cacttttctg tttctctaca 240
tcactgtctt aaccgttatg ggagtcgccg gggctaagtc taa 283

<210> 47330
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038286H1

<400> 47330

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 cccatccgcc aagcccgccg tggttaacgg cggcgccgcc aacccatctt tcccggcgac 180
 gaaggctcaa ctttacggcg ccaccgccc cacctaccgc cctcaacccc accaccggcg 240
 ccggagccgg cgacgggtgt gctgcacctt cttcttctgg ct 282

<210> 47331
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038287H1

<400> 47331

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 cagctcccc ccgaatacaa agtggatcgc cctgtatcga cctccatcta ttttctogtt 180
 ccttctggga gtgtgtctcg cctccatcgc ataccctgcg ccgaaacctg gcatcattac 240
 atcggcgacc ctctaccgt agtgggaattg aatgagaaag at 282

<210> 47332
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038290H1

<400> 47332

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 caggagagag ccatgtccat gcatcgctac ctgaggaaga ttattgggaa gctgtttggc 120

caaacactcc cattcccact gcactgcgag agcttctaaa gcctctccct acagggtgtg 180
 aaatcgatga actccctaag caaattgatg atacaagta cccaaaaaca ttcttctata 240
 aagaagacct tcattccaggc aaaacaatg 269

<210> 47333
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038291H1

<400> 47333

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 tatgctaccg ttgacccgc ccttggtgat ttgttgga ccatgaagc aacaacgtgt 180
 gttggccttg ttattcggaa ccaaaagaat ggaatgacgt cagttgcca tatggattca 240
 ccaaaaattg tagaatggg cctctcccaa atgt 274

<210> 47334
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038292H1

<400> 47334

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 cccttggttg tctgtctctt tgtttctttg gcttgacaag aagaagatga tgatgatgac 120
 aatggagggg atgatggaca agggggtgtt ggatgatgtg ataagaaggc ttctggaagg 180
 gaaaggaggg aaacaggtgc agctctctga gtccgagatc cgtcaactct gcgtcaacgc 240
 cagacaaatc ttctctctc agccaattct t 271

<210> 47335
 <211> 246
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038293H1

<400> 47335

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catgtatttt tcttgaaaaa gaacagcggc ttgttactga agaacaattt gaattttttt 180

tccatgtata accaaatagc attgtttact atttgatttg ttaagtcaat tgaattaaaa 240

aataag 246

<210> 47336

<211> 273

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038294H1

<400> 47336

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attctcacia gaccgcgcgg cgaaccaaatt ttgagctgaa aggggacgac atggtttatg 120

cgcagatcaa caaaccgat caagagagac cccctttacc cgtcgacgaa gatttgacct 180

ggatgggcca gtactattgc cttcactgcg atcgggtactt tgccaatata actgtgaggg 240

atgagcactt taagaccana cgacacaaga agc 273

<210> 47337

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038295H1

<400> 47337

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ctgggaataa tctggctatg caagacttta tgatactacc agttggagcc acttcatttg 120

ctgaggcatt ccgcatgggc agtgaagttt atcatgtatt atagggaata atcaaggcaa 180

aatatggaca agatgcatgt actgttgag atgaaggagg atttgctccc aatgttcaag 240

atatcaggga ggggcttgtc ttactcatgg atgc 274

<210> 47338
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038296H1

<400> 47338

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 aacaagacca aaaggagaat ggagtaccaa tcttttggaa gagtccagag accaaaaggg 120
 gctaacataa tgcaggcatt gaaggatgatc ctggttttgg ctggttggtgc atggctgtta 180
 tatcagggtca agcactcgag aaacgatata gagaactata gcgctcaaac cgagtttgat 240
 ggagctatat tgttggggcg taaagggatg ccatcacggt 280

<210> 47339
 <211> 138
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038302H1

<400> 47339

gctaacactc attaatgca agaatggcac ttcgttgctt ggcgatgtca ctttcagttc 60
 tcttcactct tggctttgcy agagcaagcc atgccagagc acgaagattt ttggcatgct 120
 agttgggcaa acactccc 138

<210> 47340
 <211> 148
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038303H1

<400> 47340

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 ctcgacaaaa cgcccatggt taacccttc agcttcaaca ctcagaattt catgctctgg 120
 agtggctgag tttgatggat ctcacag 148

<210> 47341
 <211> 145

<212> DNA
<213> Glycine max

<223> Clone ID: 701038309H1

<400> 47341

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agcagcgtac aagcacgaag gaggaggagg agaggaagaa tcgaaagacg aaggcggggtt 120
gatgatcaag ccgcagagct tcaact 145

<210> 47342
<211> 147
<212> DNA
<213> Glycine max

<223> Clone ID: 701038311H1

<400> 47342

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gttcctaaga agctattcaa tgcacgttca atcaccacc tctagcagaa ggtgatagct 120
accatgttgt ggacatcact tccacaa 147

<210> 47343
<211> 144
<212> DNA
<213> Glycine max

<223> Clone ID: 701038312H1

<400> 47343

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cttcaatatc ttggttcttt gatattatta ttcgattgag caaaaaatgg gagttccaga 120
gagagaccct cttgcacaat tgag 144

<210> 47344
<211> 146
<212> DNA
<213> Glycine max

<223> Clone ID: 701038314H1

<400> 47344

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 accggcaaga ccatcaccct tgaggtggaa agctctgaca ccatcgacaa cgtcaaggcc 120
 aagatccagg acaaggaagg aatccc 146

<210> 47345
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038275H1
 <400> 47345

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 taaaccctgg ctttctccgc ttttaatttct cgttctctcg ccatcaagtc catatacatc 120
 gttccagcat ggagaagata aaaataaaac tactcatgaa ggatgaaaca tttctccaac 180
 acccttttgt tcttgctgtt gttctggttt taggccttgt tatgatggac ccttttcatc 240
 tgggtccagt gtctgagcat gaattcagac ccgtga 276

<210> 47346
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038248H1
 <400> 47346

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 caacctcatc ctcttcccaa agcctcaaaa ttggcatagt tggattcggc aactttggcc 120
 agtttctggc caagacaatg ataaaacaag gccacactct cacagcaact tctcgatctg 180
 attactctga actttgtctc caaatgggca tccatttttt cagggatgtc agcgcattcc 240
 ttaccgcgga catagatctc atagtgttgt gcacatcgat attat 285

<210> 47347
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038249H1

<400> 47347
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 cacatatgct aaacaaggaa actaaattct aacctccttc agatctacac cacccttctc 120
 tttttttcca gtttcataaa ttctacacca tgggcacggc ggttctacgg ccacaagatt 180
 gtttcaccca ccgcacgct gttccaccgg cggggttttc ccggagaaga acctctggga 240
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<210> 47348
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038250H1

<400> 47348
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 atccgcttgc ttcacttagc tcaagagcgt acaattcagg caaaggcctt gaagtcggag 180
 tgtgtgttaa ggattttctta ggagttgctt ctgtcttgac tgaagaaatg gaggtatatg 240
 gcaaattctat ggttgcaggt cctgcaaattg ttattttt 278

<210> 47349
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038252H1

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 cagaagaatg tgttggatat caacagcatc accagtgttg gagggatcgt tgaccaaggc 120
 ttaggcttca taggcagtgc agtcgatgca cttacttttg cagccaccaa aatctccatc 180
 cagttgatta gtgctaccaa ggctgatggt gggaaaggaa aaattggaaa gagtacaaat 240
 ttaagaggaa agataacatt accaaccttg ggagctggcg aacaagc 287

<210> 47350
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038253H1

<400> 47350

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 taactgtggc gacgggggggt atcttaccta ttctgacatt gtttgaggga gaaaatttag 180
 aagaagaaac cttagatgga gaaaacttag aagccgaata cttacaagaa ggagaaaaca 240
 actcaggtgg agaaaactta gatggagaaa acaaccaga agga 284

<210> 47351
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038254H1

<400> 47351

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 ttgctgcatt tctctactcc ttgtgcttga cacttttgtc atttaaaatg gaacttaatt 120
 ttaagtacca acttagcctt ttctgtgtca cactgctctt acctgccttg tgtacctctc 180
 aagactcttt tacgtgctcc agagcaacct attatggtag cccagattgt tatggaaatc 240
 caaggggagc ttgtggcttt ggagaatatg gacaaacggt aaac 284

<210> 47352
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038257H1

<400> 47352

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 aaccccatth tctcacacac actctctttt tctcttccaa ttacaacaca atctgtctga 120

gattcgccac cgaaaaacct ctcaccatgg tttctcgcca tttggtttcg ctcttcctct 180
 gtttcctctg tttcgagatc tctgtttcat caattcgatt gcccggtttg gaccaagacg 240
 ccaaggccac gcatggatcg gtgcttaggt tgaacagagg agg 283

<210> 47353
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038258H1
 <400> 47353

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 gttgaaatct ttggtgtcta tgaaatcata gtgagctcgg tttagtgggtg ttgatcaagc 180
 ccctcatttg ctcaccaaga catcggtatt gttgtgtgct accttaaact tttggtggcc 240
 aattctacat ctggaagcta gaagagtgtc cttccctcg a 281

<210> 47354
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038259H1
 <400> 47354

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 gaatcttaag ctatgggaaa gtcttaccba accgtgagcg ctgattacca gaaggccgtt 120
 gagaaggcga agaagaagct cagaggcttc atcgctgaga agagatgcgc tcctctaag 180
 ctccgttttg catggcactc tgctggaact tacgacgtga gctcgaagac cggtgggtccc 240
 ttcggaacca taaagcacc ctcgaactc gctcacg 277

<210> 47355
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038260H1

<400> 47355
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 tctcttaagg atgttgtaac agaaaacgag tttgaaaaga ggcttttggc tgatgttatt 120
 ccacctaatg acattggtgt tactttcgat gatattggag ctcttgaaaa tgtcaaggat 180
 acattgaagg aattggttat gcttccttta caaaggccag agctattttg caaagggcaa 240
 ttaaccaagc cgtgcaaggg tatcctatta tttggtc 277

<210> 47356
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038261H1

<400> 47356
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 gctagcccta ggactgatac ttcaacagat gatacagaag acaaaaatca aaggcctgaa 120
 aggggtgaat ccagtggatc aaaagataaa tcagatcaaa agacattaag acggcttgct 180
 caaaatcgtg aggctgccag gaaaagccga ctgaggaaaa aggcataatgt gcaacaatta 240
 gagagcagta ggttgaaact gacccaactt gagc 274

<210> 47357
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038262H1

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 cccaagaag ggcaatttgg gaattattgc tcccatcgcc attggtttca ttgttggcgc 180
 taacattttg ttgggtgggg ccttctccgg agcagccatg aaccctgctg tgacatttgg 240
 gcctgctgtc gtgagctgga cctggaccaa cca 273

0953113.032200

<210> 47358
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038263H1

<400> 47358

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gatcatggga gtggatttaa gacaagtggg ggcgggtgtc ctcaccctca caatgttcgt 120
catgcttata cacatgatca aaagagacca ttttgatgct gttgatgata aacttcctgg 180
aacggaggat gtcagctttg aaagtacaaa ctttgatact actcatgtta gacagaacat 240
cgggatttgg aaggagatg gtgatgagtt aaaaccatg 279

<210> 47359
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038264H1

<400> 47359

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gcgttctctc tctcgattc atctgcattg tagtcgccgg cgtcggaggc cagtctcccg 120
ccgcagcgcc gtcaaact cgggccaatc ccgccgccgc cactcccgcc caagcacctt 180
ccacagtacc gaaatcacca gctcccgttg cttctcccaa atcatctcca ccagctgcaa 240
cccctgcatc tactccggcg gcattctcca cca 273

<210> 47360
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701038266H1

<400> 47360

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gggcggaagc acaaccgttg actagtctca aacttaactc tcatattctt caggagtcta 120
ctgctaaaga gattaatgaa aatcccaggg caggatggga ggctgctata aatcctcgtt 180

tctccaatta tacagttgaa caatttaagc gccttcttgg agtcaaacca atgcctaaga 240
 agggacttag aagtacacct gctatatctc acccaaagac gttga 285

<210> 47361
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038267H1

<400> 47361

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 ggagaggggtg cgacatgtgg cagggcgtga atccggacca tcccgccaag ttcgagacgc 180
 tggcgatgga tttggagatg aaggagatga taataaagga tttggatacg tttcttgaga 240
 ggaagttttt gtataagaat gttggaaagg cttggaagag 280

<210> 47362
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038268H1

<400> 47362

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 gagaacaaca tcatcccgat ggacactccg ggcggcgccg ctacctctc caccgctacc 120
 accacgacca acgccgacga ctcgatcttc tactacgacg aggcggggga gaacgagttc 180
 cagcgcgaca agccctgggc caacgacccc cactacttca agcgcgtgaa gatctccgca 240
 ctgcgcgtcc tcaagatggt cgtccacgcg cgctccggcg gca 283

<210> 47363
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038269H1

<400> 47363

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 ttttgaactt gaagaaagt ttagtggtatt tttttttcct taaagaaaca gaacatatcc 180
 tgttctttct tttctgttt gcatttttgt tcacttcttt ctttctttct ttttttctta 240
 ttatctagtt aagcatgaca acatttatgg acatgtacaa cacta 285

<210> 47364
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038270H1

<400> 47364

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 aggagaacag tgctcagaag caaagggcat gaaggccatg atattcttcg tagccctgta 120
 cttggtggca ttaggtagt gttgtgtcaa gccaaacatg gttgcttacg gaggcgacca 180
 attcgaccaa gacaacccca agcaattaaa gaagctctct acctacttca acgctgcata 240
 ttttgcattc tctttgggag aacttgtgag cctgaccatt ctt 283

<210> 47365
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038271H1

<400> 47365

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 tgcaattggc tgattcaaaa aatgccaaagg tggatcttac accagatggt atttttacct 120
 tctctggtag tgctggtgct gaagaccatc agtatgagct aaaactggag ctctttgaca 180
 aggttaatgt agaggagagc aaaattactg taggagtgcg aacatattct gtgtagtgca 240
 gaacgcagag gatggatggt ggaaaagggt actg 274

<210> 47366
 <211> 284

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701038272H1

 <400> 47366

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 caatccgagt tagaaacaag taagaaggat tccacttatg acagaatagc tgaagtcaaa 120
 gcctttgatg aaacaaaact tgggtgtgaaa ggcctcttcg attctgggat cacaagata 180
 ccacgcattg tccatcatgc caaggtagag gaccacactg aaaccatgcc aatgactca 240
 aacttcagtg tccccatcat agatctccaa gatatagaca caaa 284

<210> 47367
 <211> 278
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038274H1

 <400> 47367

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 ctgaatggat gcgtaacggt gattactctc cttctcgatt tcaagctcaa gcagacgctg 120
 tgaatctcat ttgcgggtgct aaaacgcagt ctaatccaga aaatacagtg ggagttctca 180
 caatggcagg gaaaggcggt cgtgttttgg tcacccttac cagtgatctg ggcaagatct 240
 tagcctgcat gcatgggcta gatatagggtg gtgagatg 278

<210> 47368
 <211> 294
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038218H1

 <400> 47368

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 agaaagtggg gatcctagga ggtggtgttg ccggtgccaa ccttgcaaaa actatacaac 120
 atcaagccaa cgtcaccctt attgatccga aggaatattt tgagattcca tgggcaagtt 180
 tgacgggatt gggtgagcca acttttgctg aaaggatagt aatcaaccat agagagtact 240

tcaaaaaggg taaccttggt gtatccagt ctgtcaacat aactgaaact gcag 294

<210> 47369
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038219H1

<400> 47369

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aaagaaaacc tctgggtttc ccaagatgtc atcatcgga ctctcttctt tctttctcct 120

gccctatca gccatactca gtttcgatgc tttgctcgga gttatgtttc tagtggccgt 180

gttcggctac tggctgggtc ccggtgggtc tgcttgggtc ttgtccaaat tcaagcctgc 240

gattcccggg ccttgcggtt acccggtggt gggcctggtt tgggctttc 289

<210> 47370
<211> 286
<212> DNA
<213> Glycine max

<223> Clone ID: 701038220H1

<400> 47370

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ttaattttga gtggggagca tcgtgccctt cagccagttt ttcagattta cggtcgtcga 120

caggtcttct ctggacctat agttaccttg aagggttttg aagacaatgt tttggttcgc 180

gagttccttg aagagaaagg caatggaaga gtgcttggtt ttgatggagg cgcgagttta 240

cgctgtgcta tattgggtgg caacctgtgg tacaagctca aaacaa 286

<210> 47371
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038222H1

<400> 47371

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taaccaagcc gtgcaagggt atcctattat ttgggtcccc tggaacaggt aagacaatgc 120
 ttgcaaaggc agttgctacc gaagctggtg caaatttcat caacatttcc atgtcaagta 180
 tcacatctaa gtgggttggg gaggggtgaaa agtatgtcaa agctgttttt tccctgggcta 240
 gtaaaattgc tcctagcgtg atatttggtg acgaagtgat agc 283

<210> 47372
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038223H1

<400> 47372
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 atgaacatct tcaccaagaa acccaccgcc aaagaggctc ttcgtgagag taaacgtgaa 120
 atgacaaacg ccagtagagg tatagagaag gaaattggag ctctacaatc ggaagaaaaa 180
 aagcttggtg ctgagataaa gagaactgct aagacgggaa atgaggcagc aactaaaatt 240
 ctagctcgcc agttgatcag gcttaggcaa caaattgcta atcttc 286

<210> 47373
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038225H1

<400> 47373
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 ctcttttagtt ctctcttccc ctttcttttt cttttcttctc ttcttctgag cttgtttaag 120
 cttttcttcc attaacatat tatcaccatg tgtggtattc ttgctgttct tggttgttct 180
 gatgactctc gagccaaaag ggtccgctg cttgagctct ctgcagatt gaagcaccgt 240
 ggccctgact ggagtgggct ccatcaacat ggtgactgct ttt 283

<210> 47374
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038226H1

<400> 47374

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caccactctc taccaaacca caggtaatgc caacggcaac gtcgggtccg tcaacatcac 120
cgacctcaaa ggcggcaagg tcgggttcgg ctccgcggt cccgggtcca aactcgactc 180
ctcctacatc aaatccgtca aaagtatccc ctacaacatc tccgtcatcg aaatcagcgc 240
gccgataatg ggcgcgggga tctcgcgggc tctcctccg tc 282
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<210> 47375

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038227H1

<400> 47375

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tcccaaacca gaaaaccatg tctacctccg cagcttcctt cgcactccca accctcactc 120
tccgaaccgg acaacctcta tgttctcccc aatgcttctc ctggtccctc tccctcacac 180
ccaacaacaa acccatttcc atttctgctg tttttctcaa accaacaact ctgtcgtcgt 240
ctcgttctgt tccccacgtc gtggtgtcgt cggatttggg gc 282
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<210> 47376

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701038228H1

<400> 47376

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gaagagagga gcaagcgggtg gttgatgaga agctctgaaa ttccaccaac ttgggggtgga 120
cgctaaccgt tacctttggg aagaaactgc ttctatgcca aactgcgttt gcagttaacg 180
aagtcctct cagcaaccct ttgctagtca tcttcagcac gaagagagcg tcgtcgtctt 240
cgctatgtcg cgacagagat ccagaagagc cgaactacct 280
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<210> 47377
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038229H1

<400> 47377

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 agatgatcat caacgtgaag gaatcgacgg tgggtcgggcc ggcggaggag gtggcgcgcc 120
 ggggtggtgtg gaactccaac gtggacctgg tgggtcccaa tttccacacg cccagtgtat 180
 acttctatag gtccaacggc acctccaact ttttcgacgg caaggttctg aaggaggcac 240
 tgagcaaggt gctggtgccg ttctacccaa tggctgggcg g 281

<210> 47378
 <211> 253
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038231H1

<400> 47378

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 gtcgttgga gcaacaagt tccccgtgag acagccaatt gggacagcgg cgcagtgcc 120
 agacgacggc aaggactacc aggagccagc gccggcgccg ctggttgacc cgacggagtt 180
 tcaggcatgg tcagtttaca gagctcggat agcagagctt gtggccactc atctgtatct 240
 ctacatcact gtc 253

<210> 47379
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038232H1

<400> 47379

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 agatagctct tggactttg gatgactctt ttagcgctgc ctctcttaag gcttatttcg 120

cagagttcca cgcaactctg atttacgtgt tcgctggtgt tggatcagcc atcgcttaca 180
 acgagcttac aaaagatgca gccttggatc caacggggct ggtggcagta gctgtggcac 240
 atgcatttgc actgtttgta ggtgtcatcg tc 272

<210> 47380
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038233H1
 <400> 47380

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 ggggtggctg ggggagatgg aagcgacgtc gtccacggtt ctcgaaagcc cgcttatggc 180
 tacgacgtcc catgctgacg tggcgctgat tccgatgagg gaggaggacg agtcgctctt 240
 cgccgacctc ggagagctgc cggagtgtc ggtagtgttc cggcaggggc tgct 294

<210> 47381
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038234H1
 <400> 47381

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 tacatgagtt gggatgaagg gttcgtgggg cacagatggg tgggtgtttgt gtgcgcgatg 120
 tgggacatgt cgtttgcggg gacatcttac atgttcggga gcatatcgcc ggtgataaag 180
 agcagcatgg gtttcaacca gaagcaggtg gcgttcttga gcgtggctaa ggatttgggt 240
 gacaacgttg gtcttcttgc tggaaaaatc agccaggctt cccctgtttg g 291

<210> 47382
 <211> 289
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038235H1

<400> 47382
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 aaaacggttt ggtcaccgat tgtccaagag gggagaacaa agggcgtgtc ctatccaacg 120
 actatgttgt tagaaagctc gaaaagctct gcactgtcaa agacatctct gccaaagaaa 180
 cagtatcagg aatggttaac tttcccttat gggaaggatt caaaagcagc aaatgtgggt 240
 tggctgtctt tgttcagagc aaatctcacc agatttttgg ttcacagag 289

<210> 47383
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038236H1
 <400> 47383

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 ctctcataaa gattgattgc cttggtaacg tgacattgca tgacttgatt gaagacatgg 120
 gtaaagaaat tgtccgaagg gaatcaccag aagagcctga aaatcgcagt aggttatggt 180
 gtctgaaga tatagttcaa gtcttagaag aaaataaggg tactagtaga attcaaata 240
 tagctctgga ttatctcaat tatgaagaag tagaatggga tggaatgg 288

<210> 47384
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038237H1
 <400> 47384

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 acaatgaaga tatctgatga gaacagttct aaaccaatca accccacaag ttttcaagga 120
 gggatagaat gtgtggggaa cagaaagatg gggcagaaca gaagggcttt gagcgtgatc 180
 aatcaggatc tgggtggcga agggagacct tacccttgtg ttgttaacaa aagggcattg 240
 gcagacaaac acgatgtatg tgagaagaag caggcggat 279

<210> 47385
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038238H1

<400> 47385

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 agtgaacctg attctaggag tgaatctgat tcagataaac agaatcactc cagtcattct 120
 tcgaaggatg atctgaagag gaaaaagcac agaagaaagt catccggaac agttgtgatt 180
 cgtaacatca actacatcac tccaaaaagg agaaatggaa atgaggatgg aggctctgat 240
 gaatctttag aagatgatga tgtcatcgat gacgaaacca tcaaacaaa 289

<210> 47386
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038239H1

<400> 47386

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 acacctcacc ccacctacc cccatcccac ccaccttctt ctttctctct ttcttccctt 180
 ttcccttttag ttttcgtctg ttcttccctt gtgggttctc ttgtctctct ctgatctcat 240
 gaagaagatg aaaggggttg tcccatgga acctccttat gaggtgtac 289

<210> 47387
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038242H1

<400> 47387

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 agtctattgc taaagagatc aatgaaaatc ctgaggcagg atgggaggct gctataaatc 180

ctcattttctc caattataca gttgaacaat ttaagcgctt tcttgagtc aaaccaacgc 240
ctaagaagga actgagaagt acacctgcta tatctcaccc a 281

<210> 47388
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701038243H1

<400> 47388

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tctcattcgg gaagcaatcg aagcctcaaa cccctcttga agccatccac aatgcgacac 120
gtcgttccaa ttccaatccc aaaacagcca acgaccttcc ttctgtctcc tectcttcca 180
gggattggct caattccctc cgccctccca aaaccctac tectctctct ccgctgcgcg 240
cgccagatca cgacgacggc ccaatggtgg gaccgcccgc g 281

<210> 47389
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038245H1

<400> 47389

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agaacaaaaa taggtcttct tcttctctga tctaccaaag cttcaaattc tcttagttt 120
ggtttgtctg tgagtttga gtgtaatgtc gccgccgacg ctggtaacgg aggaggagg 180
gcggacaccg tggcgccga ttcttcgcaa tcttggact gtttctctca gaatggtgct 240
ggattgaaag aacggaatta cttagggttg tctgatt 277

<210> 47390
<211> 308
<212> DNA
<213> Glycine max

<223> Clone ID: 701038217H1

<400> 47390

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gccgtcaagt tcgtctcgcg ccaccgtcga cgcagctccg accacctcct ttggttccct 120
cactttctcg ctctttcttct tctcagaaat atgccttctc agaagggtga aacgggtcat 180
caagacacgg tccatgatgt cgcgatggat tactatggta agaggctggc cacggcttca 240
tcagatcaca caattaagat aattgggggc agcaacacgg cctcccagca tctagcaact 300
ttgactgg 308

<210> 47391
<211> 261
<212> DNA
<213> Glycine max
<223> Clone ID: 701038184H1
<400> 47391

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gctaatacaa ctgctggttt tgaagacgtc atcaaattggg cttctagtat catcgcccta 120
cagctgttta gttttcttgg ggaagaattc gggctgctgt atgacaatga gaggacaaga 180
atgtttttct gttatctaaa atgtattctt gttctgtcaa aattgtgagt ttccaagttg 240
ctttgtgaaa cctccaataa c 261

<210> 47392
<211> 282
<212> DNA
<213> Glycine max
<223> Clone ID: 701038185H1
<400> 47392

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atctcctcgt agtaacgaat ggagagtagg gagagggaga ggtgaacctc gtccttgccc 120
caacgaggtt tggaccgaag cacgtgcggg atggcaggcc acgaagaaga agaagaagaa 180
gaaggcgcgt ggggcttgga gagaggccag aggtagagcg cgtggagacg acggaagcct 240
ccgagggcga ggaccacgga tcgtagctgt tgctcaccgc ac 282

<210> 47393
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038186H1

<400> 47393

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 aaagttgggc atattgatga tgtccaagag ctaagaaaaa ccaagccaag gacaattcct 120
 caaagatttg tacgagacat gacagaaaga ccaacagtca ctacacctct tccccacca 180
 tatagtgaca tgccagtcac tgatttctat aagcttagca aagggaacaa agaggaagtc 240
 ctactgaac ttttcaatct tgcaactgct tgtgaagagt ggg 283

<210> 47394
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038187H1

<400> 47394

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 atcactgctg atattagtag taacatgctg tatgtggtgg ctgagaatgc tacacttaga 120
 cagcaagtcg gtgctgctgg tgcatgtgt cctcctctc cagcacctgc tctgggatg 180
 taccctcatc atcctccaat ggcacctatg ccttatccgt ggatgccttg tgctccttat 240
 gttgttaagc ctcaagggtc tcaggttctt ttggttc 277

<210> 47395
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038188H1

<400> 47395

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 gctcagaaaa ctaccacccc tcaaaactat tgatgaagga gaaagtagca agctgcagaa 180

gacgttgctg atgccgtcga caccaacaac cccgatgact ccgacgactc caacgacacc 240
 gggatcgccc cgtaaagctg acaacgtttg gaggagcgtc ttc 283

<210> 47396
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038190H1

<400> 47396

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 gtcatgaaca acaatcaatc tgctgccaag aagtatgctt tgattcgtga taacttctct 180
 acccttgaac aggtgactac agccctgagg aaagaaggat tagaatcatc anattctatc 240
 cttggaattg attttacaaa gagcaatgaa tggactgaat 280

<210> 47397
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038191H1

<400> 47397

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 gacgacggca aggactacca ggagccggcg ccggcgccgc tggttgacct gacggagttt 180
 acgtcatggt cgttttacag agcagggata gcagagtttg tggccacttt tctgtttctc 240
 tacatcactg tottaaccgt tatgggagtc gccggggcta a 281

<210> 47398
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038192H1

<400> 47398

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 tctactctctc ttcttccaaa acgtctccctc tacaccacat gctcaactcc gcctccgccc 180
 ccgccccctc ccagccgccc gaaaacctcc acgccggatc gcgcggcctc atgattccct 240
 ctcccagcga gtcacgcaag atcgagatgt actccctg 279

<210> 47399

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701038193H1

<400> 47399

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 taacttggtg agccagcaat gcagggtcac gttggtaaga tatcataatg cagaggcaca 180
 ttgcaggaag agttttgagc atcaaacgag gagcatcttg agaagactcc atggagctac 240
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<210> 47400

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701038195H1

<400> 47400

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 tttgaagcca acatcattgc tgtcttgtct gaggttattt cagcaatttt tgctgaagtg 180
 atgcaagga agccagagtt cactgaccat ttgactcata aactaaagca ccaccctgga 240
 cagattgaag ctgctgctat catggaacac attttg 276

<210> 47401

<211> 300
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038201H1

<400> 47401

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 ttcagatatc cgctgaggaa tcatcgagaa aagagttcgt actcacattg gatcactcta 120
 acttttcacga cactgtcagc aagcacgatt tcatcgtcgt cgagttctac gctccatggt 180
 gtgcccactg taagaagctt gctcccagat atgagaaagc tgcttctatc ttgagtagtc 240
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<210> 47402
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701038202H1

<400> 47402

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 naatacggtc ccttcattga gtcagtgaac aagagagggc tgaacctctc tgaggtggtg 120
 tgttccacat tcacaatggg gcggtttgga gaaaccaagg acagaaggac agtgagagtg 180
 gaatgcttca tgaaagaaaag cagccccaat atctgggtga ggcctatcag tggactcaca 240
 atggtggttg accttgaact catgaagatc gttcagtatc acgacggtgg cattata 297

<210> 47403
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038204H1

<400> 47403

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 catggagggt ctcacaaacg gcttcacaa acttgctctc ggagctgatg gtggcgatcg 120
 ggaagaacaa caacacggga gacacgaccg tagtagaagc tcctgggctg aagtcgtctc 180

ccaggatcaa caagtaccat tccaactccc atgtctttta atatttgctt catcacccaa 240
 tctcatttct tcattcttca tttttgcaag atcacctctt tcctcatcac caa 293

<210> 47404
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038205H1

<400> 47404

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 tcgtttgtat agagcatggc cgggtggttct atcaagagac attgtttctc cgaagaggac 120
 gatgtggagc ctgggtattc tgggcacaac cacttccatc attaccaaca cggttttatt 180
 tctaggacat tgggttatgg cactttctac aaccgacgtg tgaggagcca ttcgattttc 240
 tcgccgagat ctgggagatt ttatgatgcc agattcgaag accaccaacc cca 293

<210> 47405
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038208H1

<400> 47405

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 gcttgatctt caaaggggtc agggcccaca gtttcttttc ttggatctgt gcgctgcttt 180
 cctttcacag ctacgtgttc tctagtgaag ctcaagaagtc gcaaaggaga ccttgaggtg 240
 tcttgtgtgg catgtgaata agcttacgtt gtacatatca atgccctttc 290

<210> 47406
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038210H1

<400> 47406

cggggttaca gcttgactgg ggagtcaagg gaatctgggt aggaatgata tcaggggacta 60
 tcctccaaac atgtgttctt ttggtgctga tttacaaaac taattggaac gaagaggcct 120
 cccttgccga agataggata cggacttggg gtggacataa aaaagcgact gtgaatgaca 180
 cagaaaacac acaagaaaca tgaaattgca gtaggagaat tggtagata tgaagtatga 240
 tacttgaatt gttgacagaa aagctttagt tgctttagaa tattct 286

<210> 47407
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038211H1

<400> 47407

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 aaggaaggaa ttcccccgga tcagcaacgt ctcatcttcg ccggaaagca gctcgaggac 120
 ggccgtaccc tcgccgacta caacatccag aaggagtcaa cccttcacct tgccttcgt 180
 ctccgtggtg gcatgcagat cttcgtcaag actctcactg gcaaaaccat aaccctagag 240
 gtcgaaagct ctgacaccat tgacaacgtc aaggccaaga tccagga 287

<210> 47408
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038212H1

<400> 47408

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 atgatcacct actgtgtgaa atcgaaggta accacctcac tcacgccgct atcatcggcc 120
 aagacggaag cgtttgggct cagagcacca acttcctca gttcaaact gaggaaataa 180
 ctgccatcaa taatgacttt aatgagcctg gatcacttgc tccaactgga ttgtatatcg 240
 gtggcaccaa atacatgggc atccaggggtg aagctggtgc tgt 283

<210> 47409
 <211> 284

0953113.032200

<212> DNA
 <213> Glycine max
 <223> Clone ID: 701038213H1
 <400> 47409
 acctctcgcc cagaatccga gatcaacccc gacgaaggca aggggttttt ctcggttct 60
 tcacatttct gaaatggcgc ctgtttcagc tttagccaag tacaagctcg tcttctctggg 120
 tgaacacatc cgtgggcaaa accagcatca tctctcgctt catgtatgat aaattcgata 180
 ccacctatca ggctacaatt ggtattgatt ttctatcaaa aactatgtat cttgaagatc 240
 gaactgttcg actgcagttg tgggatacag ctgggcagga aaga 284

<210> 47410
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038214H1
 <400> 47410
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 tgaagaagag aacgaaggaa cgaagatgga gactcctcct ccgcaacaag gcgtgggtgaa 120
 gaagaaggag acaagggggc gaaaacccaa gccgaaagac gaacacgcca aggcgttgaa 180
 ggaagggaga aaaacacagc aacaacaaca tgatcagcag caacaacaac aacagcaaca 240
 tcaaccttcg gtggacgaga aatacacgca tganagtccc ttgttc 286

<210> 47411
 <211> 284
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038215H1
 <400> 47411
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 tctctcaaac gttcaaacc tgaaaccttt ctatcttttt cttttgatta ttatttggtg 120
 agactgagac gtgtttgtac tttctcgag cttttgatta ctttaacatt ttggtttgct 180

ggtaatatc cttgttcgtc ttcagttggt acacttttgg ccccttttta ggtttcgggtg 240
 attttccgga gacccagggtt ggaattcgca agatctaagg tttt 284

<210> 47412
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038216H1

<400> 47412

ctaactca ttaattgcaa gaatggcact tcgttgcttg gcgatgtccc tttctgttct 60
 cttcactctt ggtcttgcca gagaaagcca tgccagagac gaagattttt ggcatgctgt 120
 ttggccaaac actcccatc caagttcatt gcgagatctt ctaaagcctg gccctgcaag 180
 tggtgaaatc gatgaccacc ctatgcaaat tgaagaaaca cagtaccgga aaaccttctt 240
 ctataaagaa gaccttcac caggcaaac aatgaaagta caattcagc 289

<210> 47413
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038183H1

<400> 47413

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 ggcagcgagc gctcccatc cacgcgaaga gttcgtgtac atggcgaagc tggcggagca 120
 ggccgagcgc tacgaggaga tgggtggagt catggagaag gtctccgcct ccgccgagag 180
 ctaggagctg accgtggagg agcgaaacct cctctccgtc gcctacaaga ccgtaatcgg 240
 cgctcgccgc gctcctggc gcatcatctc ctccattgag cag 283

<210> 47414
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038155H1

<400> 47414

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gacaaaatat acgcaaattg tgcaaagttg aagatcttcc acatcttggt tcatgccag 180
ctcctcaagc tagcttttga ttttgatttt tctcatcttc tggcttaaatt ttctcatctt 240
tttctataaa aaaaataaaa ttcccagcag catagtagta gaagttttt 289

<210> 47415
<211> 288
<212> DNA
<213> Glycine max

<223> Clone ID: 701038156H1

<400> 47415
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attcagaaat cagcagcctg gctgctctag aacacaaaga tttggttttt attctaccta 120
acaccacatg gatacgttgc cggaggattg tgtttccaaa attctgtctt acacatctcc 180
accagacgca ttagatttct ctatggcttc ttcaacccta cgctcttccg ctgactctga 240
ccttctctgg cgaactttct ttccttctga ttactctgac attgtctc 288

<210> 47416
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038157H1

<400> 47416
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tcagcaaatt attacttggg tgagattttc attgatgggt tgagtgcctt agtggacgac 120
cccttaagaa agggttctnc atgtatacat gtaatgataa tatgggatct attgattttg 180
agatatttga natgttagtc tacccttaac ttgataac 218

<210> 47417
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701038158H1

<400> 47417

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tattgttggt taaaaaattt catgcacatt gttttaagca gtgttgtaa atagccgcaa 120
tagtgggcgt atagtgttat tgcattgcga aattccctgg atccgcgatt gcaactctgg 180
tccactattg tggctgttat aggtgttggt gttgcagcat gcgtgctgca tcctcttggt 240
atctctgtca agtctcctgc caattggact tttgagttaa tatt 284

<210> 47418

<211> 288

<212> DNA

<213> Glycine max

<223> Clone ID: 701038159H1

<400> 47418

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agaagattca acaagattac atcactgaga gactctgcct ggtttactat ttctcaagcc 120
aaaaattcac gtgaagcaaa taacaggcga atcatgtcat tagttaggct tgctgatcta 180
gctcctacat catatgaaaa tgctaagctc ttctcactga aggggtgtga tgtagacca 240
ggcctgtcct cccaaatttt tgatcctgat aagcatagga gcatgtac 288

<210> 47419

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038160H1

<400> 47419

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gcgaactcgt ccacgcgat tctcaattct cgcacccctc acccgaagga ttgcctcac 120
gaaccgaaa tccttcaccg gagcccgcgc acgcgctcgc tcacgctctc cgcgctcgcg 180
agttcgctct cgccggctga agcttcgccg agcagaatga cgcgggcgct gtcggagacg 240
gatctctccg cgcgctccaa aacgtcttcg ttccgctcct ctctgtttt 289

<210> 47420
 <211> 286
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038161H1

<400> 47420

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 gtttgtgtgg ttcacttttc ttctttctct tccctccccc ctctgtaaca ccccgcttct 120
 ctgaatccct ttctgttaat catctgtctt tcaagctaag attttcgggt ttgtctatta 180
 attcaccaag aagcaaactt agaaggattt ttcgaaagcc aggtgttttc agaaacgaga 240
 tccaggtttt attgtcgaat ttcgctagtc aaattaattt tcataa 286

<210> 47421
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038162H1

<400> 47421

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 tagagactgg ggttgtgaag cctggtatgg tggtgacttt tgggtccact gggctgacaa 120
 ctgagggttaa gtctgttgag atgcaccatg aggctctcac agaggctctt ccaggtgaca 180
 atgttggatt taatgtgaag aatgttgacg tcaaggatct caagcgtggg tttgttgcac 240
 ccaactccaa ggacgactct gccaaaggaag ctgccaaactt cacatccca 289

<210> 47422
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038163H1

<400> 47422

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 gcaattgcag ctaaaatc aaattgggac aatgtcgttt tggcctacga gccagtttgg 120

gccattggaa cacgaaaggt tgctactcct gctcaggctc aagaggtcca tgctgatttg 180
 aggaaatggg ttcattgaaa tgtgagtgtc gaagttgtcg catctgtaag aattatctat 240
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<210> 47423
 <211> 296
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <223> Clone ID: 701038164H1
 <400> 47423

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 tcctcaaatg caccatatga ttctttcat gactccgacg ggtgatattc cgccacttta 120
 catgctttat gctgttggtg tgcacctgga cacactaaat gcgtctttct ctggacacta 180
 tgtttcatat gtgaaagatc tgcaaggcaa ttggttcaga atagatgata ttgaggttca 240
 gccagtacta gttaatcagg tcatgtcaga aggagcatat atcttattct acatga 296

<210> 47424
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038166H1
 <400> 47424

cgcttagcca catggagcat catcacctaa gacttattct cctactcttg ttctgttcc 60
 taccacaacac ctgcttctct ttctcatttc aaactccttc aagcaatgaa ttctcgaatc 120
 aaagttcttc ctctctgaag cagcagattc tggagctagc taatagtccc agcacggtga 180
 aatggatgaa gagaataagg agggaaatcc acgagcacc agaaacttgca tatgaagagt 240
 tcagaacaag tgctgtcata aggcgtgagc ttgacttggt ggggtg 285

<210> 47425
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038168H1

<400> 47425

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ccaccccctc ctcaagagtc agtggtgcaa gtggaggaag tgggtggtaac cgatgttcca 120
cagcccgaca aaacaacaac tacagttcca gttgaaagag attcgcaacc tcaaccttat 180
gagccagaga agaagaagcc cgttgaggaa accgtcactc tcgagactca cctctccaaa 240
cccaacaatg ctgaccacac caacaacatc cctgaattca ttgaagaa 288

<210> 47426

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701038171H1

<400> 47426

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gcttctttcc atctcagaag attagtaagc agcgttctta actcgcgggg gcaaacaaat 120
ccccttttga ccttcagggt cttctgttct cctcctgtta cacctttcac ttcccatgct 180
agttacgacc ctaactccat ccacttgtcc aaccaagaaa gcaaaagacg cttgttcaac 240
aggctattat acagaagcaa gcagcgaggg ttcctcgaac tcgat 285

<210> 47427

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038172H1

<400> 47427

accagttact atactctctc tttctgaaac aatttgccca attgtttgag atgttcaata 60
tgagatttgt atctcaagat tgggcgggtt catgtgcact aatacttctg gtgtcatgca 120
caacatactc attagcttct ttggggaaac ctgagaacaa catataaaca tctgttttta 180
aatcacccaa gattgagcta ggtccagggt tagtttcaaa caaattttat tttgatgttg 240
actttccaag aggccatatt gcactcaaga gtttcaatgc t 281

<210> 47428
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038173H1

<400> 47428

gcggctgtct ttgttgaagc attcaaaagt gcgaggtgcg tattgtctag gggtttttct 60
 caaatggcaa tgatccaact actcttttag gaggcattgt tgttcgtaac actcttgtaa 120
 tgtatgatcg tgagcattca aaaattgggt tctggaaaac taattgttct gagttatggg 180
 aaagactaca tgtctcaaat gcccaccac ccttgatgcc tcttaaact gaaggaacaa 240
 atttaaccaa agcatttaag ccctctgttg ctccatctcc atca 284

<210> 47429
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038175H1

<400> 47429

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 caaacgcaga gtttttcgcg tgatggatag tcgtcttgaa ggccagtatt cccttacaca 120
 agctcaaagg gcagccaccc ttgcttttca atgtcttgct gtagagccca aatacaggcc 180
 aaatatggat gaggtggtga gagcattgga gcagctacgc gaatcaaata atgatcaggt 240
 gaaaaatggt gatcataaaa agcgtagtag agttagtgga t 281

<210> 47430
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038176H1

<400> 47430

ggattggatt gggtttgcag cagaagcagc gaaggatatg gcgattcttc cttctcttgc 60
 agttccttca actcccattt ctcggtgtaa gctgtttcaa tgccaaccct gtcaattcca 120

tagatgcaca gaactatatc ttccatcatca aacatattat actcgaacta catcaattaa 180
 agtatcaatg gcagacccaaa atgagccgag tgagggttaat atgcagattg ggatcatgag 240
 ggagaaactt aaagaaacac tgccagtctc agttcaag 278

<210> 47431
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038177H1
 <400> 47431

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 ctggttctct tgagcgggat gaagtatttg tgccaaagca gaagtccctgt atcaagtggg 120
 actctaaata ccttaacaat cctccaggca gagtcctcac tcttgctgtc accctcacac 180
 ttggttgccc cttgtacttg gctttaaatg tttctggaag gccttatgat agatttgctt 240
 gccactatga cccatattgt cccatttact ctgatcgtga acg 283

<210> 47432
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038178H1
 <400> 47432

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 tgatgggtccc gcctccgttt cccactatctt caaacccaaa catatagctc tcgtcgacga 120
 cgagggttta cctttacaag aggtgcattt tagaggctac tccaaggaac aacactccct 180
 cttcctcacg gttactctgg ttttgctgtg tgtaagaaaa gttcgccctcc tacctccgac 240
 gaaaactctc actcttgga catgatagca gaccaaagac a 281

<210> 47433
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038179H1

<400> 47433

agttgtagac gcagacgcag cagatcagat cctctgtctt caattcaagt tcaaggtatg 60

gctcaacaac agggggacga aatggagtat gctgctgatg ataatgaaat ggcggaagta 120

gaagatgaca tgtatttcag tggtagagtg tttggtgatt cagagtccga atcagacgac 180

gatgatgaat atgactccat ggaaaatcgg atgacagata cctctgctgc agaagctagg 240

aaaggaaagg atatccaagg tattccttgg gatagactta gcattag 287

<210> 47434

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701038181H1

<400> 47434

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ccggtgcctc caaacctac cctcagcaag ccgtaccat togcaagaac ggctacatcg 120

tcatcaaagg acgcccctgc aaggttgtgg aagtttcgac ttccaaaact ggaaagcacg 180

gtcacgcaa gtgccacttt gttggaattg atattttcac tgccaagaaa cttgaggata 240

ttgtgccctc ttctcacaac tgtgatgttc ctcatgtgaa tcgt 284

<210> 47435

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 701038182H1

<400> 47435

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aatcctctat caccaaactc acctataccc tcaaactcaa ggccctatag tccaagcaag 120

tgagtgagtg ttacaactta cacagcatgg aatatagtca atatactact tattcagcag 180

aagggtgtga ggcagaaact tacacaagta gctgcaccac cccatcaaga tccaagacgg 240

gaaccaccaa caacacaaga aggttcagtg atgaccaa ca 282

<210> 47436

<211> 285
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038154H1

 <400> 47436

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 ctgtcggact catggcgctt ctgaaccag gccaacgcca ctcccttctt gaccttcgtg 120
 actgagcgtg tcggcgctc cgtgtatgtg gctttctccg gcgtccatat ggccggcgag 180
 tccgaccga actggagaaa tttgactcct ttgtacagca tcggcggcct gcctctgttt 240
 tcgtctcggc ggagcaagga atgggaggac acggtcatgg ttcatt 285

<210> 47437
 <211> 294
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038130H1

 <400> 47437

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 tttcattcat cacaatatta aagccttttag tttccttcag tatggggggac acttacgttt 120
 tggccacacc gaagcgcaac cgttccgatg acgtggacgg cggcgaggcg aagaagctgc 180
 tggtgcagca gggcgaggca gaccggcgcg cggcgctggc gagcgcgcg cagagttcg 240
 gggagcacgg cggggtgaac atgtcgatcg aggcgtcggc gacgttcacg gtga 294

<210> 47438
 <211> 287
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038131H1

 <400> 47438

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 ctaccactgg tcacctgatt tacaagcttg gaggcattga caagcgtgtt attgagaggt 180

ttgagaagga agctgctgag atgaacaaga ggtctttcaa gtatgcctgg gtgctggaca 240
 aacttaaggc tgagcgtgaa agaggaatca ccattgatat tgctttg 287

<210> 47439
 <211> 238
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038132H1

<400> 47439

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 gattctcagt tagttacctg tgtgtgtcct tatgcctttc tgtttatgca tgcttatgga 120
 tattaagata ttttcatgtg gtatagattc tactcttttt ttttattagt gtggtataaa 180
 ctctcttgtg tcgcaaagtt tttctccctc gtgatggaat atatggattt tgatagcc 238

<210> 47440
 <211> 296
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038133H1

<400> 47440

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 attcagctat gacgggagca caagctctgg tggctatcat accatctagc ggtgccccaa 120
 atgcatatac ttcttccatc caaaatcccg gaccacact ggcagaggga gccatctctt 180
 ataatctctt caggattgac ggctacccat cagagcactg aggtcaccat ctatgctacc 240
 ctactcttc ccagtggtag cacacttttg tccacctttg gaacgatggt ctgtgt 296

<210> 47441
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038134H1

<400> 47441

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ctggaccctc tcttgtgcca acttacaaca tagattagat attactttga caagaaaacc 120
tagatctttc tccccctctat gaccttctca atatagactt gtattttatag aggtttcagc 180
ttcaggaag atgataatgg tctaaaaaga aaaaaagctt tgcattggcg gccacagaat 240
aggagaactt ggtttgtctg agtcaagacc ttcaactcac cacatccctt atg 293

<210> 47442
<211> 289
<212> DNA
<213> Glycine max
<223> Clone ID: 701038135H1
<400> 47442

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actgggcccc acaggcggcg atactgagtc atgactcggg gggaggggtc gtgactcact 120
gcggttgaa ctcggtgttg gaggcgggtt gtgaagctgt gccaatggtg gcgtggcctc 180
tctacgcgga gcagaagatg aataaggtga tcttggtgga ggaaatgaag gtgggtttgg 240
cggtgaagca aaacaaagac ggcttagtga gttctaccga gttgagggga 289

<210> 47443
<211> 292
<212> DNA
<213> Glycine max
<223> Clone ID: 701038136H1
<400> 47443

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gcatccaaca atggccttgt tctctgctac cgcaaccgtt cttcctcgga acctcgatt 120
cgcttctctc accaaactct ccctctctca cagtcactct cttctacatc acttctttc 180
attccccact cccaaatcat caaacctcgc caaccgggtc gcaatctctc tccaaacccc 240
acgcgctcaa tccggcgcgt ccgcctcgc ctccttccat ggctctgct ac 292

<210> 47444
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701038137H1

<400> 47444

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tctctctatc tctctctctg cctcacactg gagtaccctc ttcaatttcc atcaattaag 120
tttctctaata accctctgaa tcatcatcat catcatcatc attagtcacg gctcttgatga 180
tatattttgt gctttttctt gccctcactg gccattcaag tgctctttac tgtgtatgca 240
aagatgggtg ggggatcaa gctcttcaga aagcaatag ctatgcatg 289

<210> 47445

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701038138H1

<400> 47445

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ctcaccctca cgtcccacgc gatttgcaact taccgggcta cgctccctgc ttcttttcca 120
tgtccaacat tctctccgtc ttgcctcct cctcattgct catcgctact ctgctctgga 180
tcttctctgg acgctttaag aaaaccaaag ttgatagagt gctgatgtgc tgggtgggct 240
tcacaggtct cacacacatt attcttgagg gttattttgt tttctctcct 290

<210> 47446

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 701038139H1

<400> 47446

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tcaagttctt gcacactatg agaatcccc agtgtacaag cctccactg agaaaccacc 120
agtttataag caccagttg agaagcctcc agtttacaag acccagttg aaaagcccc 180
aatttataag cctccagttg agaagccacc agtgtacaag ccaccagttg aggacgcccc 240
cgtgtacaag ccaccagttg agaaa 265

<210> 47447
 <211> 175
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038140H1

<400> 47447

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 atctgattac tcgttggtgta ctataaccaa attggtgcaa ccccttttgc atctgaccc 120
 agaatcacia gcctagctac ccgttttcta cttctcatg acgtgtaatt gggtg 175

<210> 47448
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038142H1

<400> 47448

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 gtgaactctg ttgcgtgatt aaaacaagtc tgagaagaaa aacaaattag tccaaccttt 120
 tgtttgtttc tggaagttag ttatatcaag ttgtgttttt gcattaaggg gtttttgtca 180
 atgatatgct aattttaata gatgtagatt tatgtcaatg atattgtatg ttaattttat 240
 tcagtctcgt atctagctga ataattaaga attatact 278

<210> 47449
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038144H1

<400> 47449

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 ggtggctctt atcactggag cagcaagtgg gattgggtgaa gagacagtga gattgttcgc 120
 tgaacatgga gcacttattg ttgcaacaga tattcaagat gaacaaggct accgagttgc 180
 tgcttcaata gggtcagaga gagtgactta ccatcattgt gatgtgagag atgaaaacca 240

agttgaagaa acaatcaatt tcactttgga aaaacatggg cgcatagatg t 291

<210> 47450
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038145H1

<400> 47450

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accacataac taatgcaacc aataaaggct accctgttat gggtcatttc tctgcttatt 120
gggtgatgcc ttcaatagct atgaatcatt tctttcaaca actggcctcc acctatcaaa 180
atgttctctt tctgaatgtt gatgttgatg aggtcaagga agttgcttcc aagttggaaa 240
ttaaagcaat tcctaccttt tgtttgcatt aatggaggag ctccagtggg taa 293

<210> 47451
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038146H1

<400> 47451

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aggcgtactt gcttggttct agtcctacag aagctacacg tttgcggaca ctgtcactgg 120
gctattcttc aagtactgga gcaactctga agaaagttag ttaaggcca ccaacacatc 180
cacgacgaca ctgcctcca ccaccaactc ctggctattc tcctgaaccc ggtccaggac 240
gaactcgaag atctcctccg actccaagac ctttc 275

<210> 47452
<211> 292
<212> DNA
<213> Glycine max

<223> Clone ID: 701038147H1

<400> 47452

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tgattttact ctctctctga attctctttt gttttctagt gctgggtgtg aatttgaagg 120
 agaattttta aagtgggttg gggttgggtt tagaattctg tgactaacgc gtcctgggtc 180
 accgtgcccc tcccttggat tccgctggta gtgttttttg tgcaggaaaa cagataaagt 240
 cggtggcttt attggaatat ggtgaaactt gtcactaacc tttattgttc tt 292

<210> 47453
 <211> 299
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038148H1

<400> 47453

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 aataaaaaga cacaccaaag ataccattgt taaaagtttg ggcagcccta ggcacaaaag 120
 aaagtgggtga ttgatggcta ctctccggt gaattcggtg ccaatagcat accaagcatg 180
 gacaagcctg ggagtcacag attggttgaa caaaggagac aacgcatggc caatgggtgc 240
 agccaccttg gttgggattc aaagcatgcc gggcctcgtc atcctctacg gaagcatcg 299

<210> 47454
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038149H1

<400> 47454

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 atgacagcca cgtaaggca atcaagcaag ttgatgttgt aatatctaca ctaggtggac 120
 agcagataga tgatcaagtg aaggatcatg cagcaataaa agaagctgga aacatcaaga 180
 ggttctctcc atccgaattt ggattagatg tggatcatca caatgcagtt gagccagcag 240
 caagcttttt caacaaaaaa gtgaaaatca gaagggaat t 281

<210> 47455
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038150H1

<400> 47455

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 cggcatggcc acttccaatg gcttcgtcga cggcactccc teggaaatctg cattgatctt 120
 tctcggcacc ggttggtcga gcatgggtcc caacctcatg tgctctcttc agccttctga 180
 ccctccctgc cccgtctcgc tccagtcatt gtccatccct cccgaacgaa accctaatta 240
 caggtgcaat acgtctctcc taattgacta cggcgccgcc gccgc 285

<210> 47456

<211> 300

<212> DNA

<213> Glycine max

<223> Clone ID: 701038151H1

<400> 47456

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 gatcagtatt ttgctatgtg tgggtgctttt gggtttcctt ggggtttgtc aaggaggcag 120
 cctaaggaaa aagttctacc gggattcctg ccctcaagcc gaggacatta ttaagaccaa 180
 aaccacagcag catgtgtctg ctaatcccca tttgccagcc aagttgctta gaatgcattt 240
 tcatgattgt tttgtcaggg gttgtgatgc ctcagttttg ttgaactcta ctgccagtaa 300

<210> 47457

<211> 289

<212> DNA

<213> Glycine max

<223> Clone ID: 701038152H1

<400> 47457

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 aatacaatgt tcccatttca caccaccca ttctcaaccg ttggtttccc agtgattgtg 120
 atccgtctgt taatcttctt ttcaaacatc atgacgagct catttgcaac tttgaagcac 180
 cttttctgag ggagagagtc ttccactttt ctgcagagtc catagcaaaa ctgaaagcaa 240
 aagccaactc agagtccaat accacaaaaa tctcttcatt ccagtcatt 289

<210> 47458
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038153H1

<400> 47458

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 cttcaaaaag agacaggtgt gcagtctgat gattttgggg cctcaatccc tcaçagaaac 120
 catacatttc atgatatgcc cgggagaatg acaccaggct ctcataattt tcccaatgat 180
 gtcacacctga atttgaaaag aaaacaggat catgaagctt acccagatct cccactatca 240
 aatcacgggc agaaacatgg atggctgccc tcgggcactt gtgctggg 288

<210> 47459
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038129H1

<400> 47459

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 ttgttccttt gcggcttggt tctctgactg tgcgagctat tgttccgaaa agcaatggca 120
 agtgcattga gtagcagagt tgaatctggt cgaaactccc cctttctaag attttcgctc 180
 aacttcatca gagcccttag ctcttcttcg tcttcttggt ctgccgtttc ttctgctgag 240
 aacctaaga aatcaaagcg aaggaagacg aagaatttgt tcgaggtggc tcagt 295

<210> 47460
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038107H1

<400> 47460

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 tgacaaggaa atcctcagca ttgtgaagga gagttttgac ttcaggcctg gcatgatctc 120

catcaacctt gatctcaaga ggggtggaaa tggcaggttc ttgaagactg ctgcatatgg 180
 acactttggc agagatgacc ctgacttcac atgggaagtg gtgaagccac tcaaggggga 240
 gaaggtactg cttaactaaa ggggttccaa cactcttggc caaggacttt t 291

<210> 47461
 <211> 291
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038108H1
 <400> 47461

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 cttccctttt ccaaagcgaa gacgccactc cgtttaatga ctacttaata tgtcatatat 120
 gccataacgt atgtacagta tgcataaaca tgggtgtaat gcatggcgtg atattgtggt 180
 tattttcctg tcaactagtct tttagagtatg ttcttgacat gctgtgttca gtactattgt 240
 tactctgctg aactattcca acattgggaa ctgatctggt tctaagtcac c 291

<210> 47462
 <211> 290
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038109H1
 <400> 47462

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 cactgtgctg atgggagcat gtggatggag agtcagggtc agcaacagag ctatgccttc 120
 caagaagagt cttggagccc tgataacaac tatggccaca accacaagca attcccaggc 180
 atgcacatga acatgaacaa caacaacaac aacaaaaggc ttggtgattt tgccgctgtg 240
 agatcagact tctcaatgcc aaaacatcat catgggcatg gcaacggcgt 290

<210> 47463
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038110H1

<400> 47463

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 aacatttgct tggcttcata gattctaagt gtctaaaatg gatgggtgag cttgacatac 120
 ccgacataat ccacagccat agccatggcc aaccattac tttttcagag ttggtgtcaa 180
 ttctacaagt cccaccaact aaaactcgtc aggtgcagag cctcatgcgt tatctagcac 240
 acaatggatt ctttgagata gtaagaatcc atgacaacat agaagcatat gctct 295

<210> 47464

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 701038111H1

<400> 47464

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 gaatgcttat atgaacttta tgttgagact gtcaaggaaac gtaggtgcta tcaacagtga 120
 taacatcttt gaagtgaac ggcattccaa aggctcgtca agtgtataag gggtattcca 180
 gtgatgaatt tgaggctagg ctcatctttg agatttctaa gacattgggt gcttcctatg 240
 aaattcatcc cat 253

<210> 47465

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701038112H1

<400> 47465

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 agcatgtgag accagagaaa gcgtggataa atggcggatg cagagccgca gtctcgatcg 120
 cttgccttct catctcgccg actctctcct ccgcgcgctc atcgcccgcc gccatcttta 180
 cccctctctc ctcgaggttt tcaaacaatg tgctgaagag gttgatgtga gacgggacaa 240
 ctccgtggac gcagaatgga tggcgtatct gggagcatat cgtcacttgc gctac 295

<210> 47466

<211> 294
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038113H1

 <400> 47466

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 attgtgggtca ttggccatgt cgactctggg aaatccacta ccactgggtca cctgatttac 120
 aagcttggag gcattgacaa gcgtgttatt gagaggtttg agaaggaagc tgctgagatg 180
 aacaagaggt ctttcaagta tgcctgggtg ctggacaaac ttaaggctga gcgtgaaaga 240
 ggaatcacca ttgatattgc tttgtggaag tttgacacaa caaagtatta ttgc 294

<210> 47467
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <223> Clone ID: 701038114H1

 <400> 47467

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 ccgccggcga cattggcgga gttcactctc aacgcgcgcg acggtttgga cttctacgac 120
 gtgagtccgg tcgacgggta caaccttccg atgctgatcg tcgccaaggc aggcacacag 180
 ggacgggtgna gcgccaccgg ttgcctccgt cgactcacag gcgggtgtcc agcggagctg 240
 acggtggcgc gatcacacgg cagccgcggc gacctcgcgt gccgga 286

<210> 47468
 <211> 299
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038115H1

 <400> 47468

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 gatgtactac tcactttgca tgctcgtttt aaggcttctc cagatatggc tggtactctt 120
 cttcaaattg caagaatatt tgctacaaa gttcccggaa aggttgatgc tgatgtgttg 180

caactgctct ggaagacttg tcttggtgga gctggtcctg atggaaaaca taaagcttta 240
gaagcagtca caattgtact tgatctacca cctccgcagc ctgggtcaat gcttggtct 299

<210> 47469
<211> 301
<212> DNA
<213> Glycine max

<223> Clone ID: 701038116H1

<400> 47469

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ccttttagcga gtaaactcag agaacttggt ccctatgagc tgctgagaga acttattagg 120
aatgatgggtg agagattcct caaattcccg gtgcctgatg tgatcaaagt gagtaagact 180
gcatggagga cagatgagga atttgcaagg gaaatgcttg caggggttaa ccctgttatt 240
atccgccgctc ttcaggaatt tccccggcc agcaagctag attcaagagt ctatggagac 300
c 301

<210> 47470
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038120H1

<400> 47470

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ttcatttttt ctattttttt ggacatgcag gcctccagtc agttttcttt gtccattgtt 120
tgtttctggt cgggtaatga agagtgatc ccggtccagc aaccagcgat gtctcgcttt 180
ttgggttttg tattccttgt gtatgatcat ggaaggggaa ctttcagtgc tattaactg 240
cctcccatgg tggcctcatg tgaaatccat agcaactat 279

<210> 47471
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038121H1

<400> 47471

gtgggtttcag tgagtgatcg gtgttcactt gatccttcat aagtcgtcat catcatcatc 60

atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120

aggctactca ccccgacacg ttgaaggcgg ggttggtga gttcatctcc accttgatct 180

tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gctcaccgac aacggcgccg 240

ccactccgc cggcctcatc tccgcttcca tcg 273

<210> 47472

<211> 290

<212> DNA

<213> Glycine max

<223> Clone ID: 701038123H1

<400> 47472

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aagaagcagc agcagcggaa aaaccaagcg aagagaaaa accggaacaa gagtcgaaag 120

aggaagtgtc tgctccgcca ccgccaccgc caccggccga gattgtgctc aaagtgttca 180

tgcattgcga gggttgcgct cgcaaggctc gtcgctccct caaaggattc ccaggggct 240

acgatgttgt caccgattgc aaatctcaca agtggtcgt taaggagag 290

<210> 47473

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: 701038124H1

<400> 47473

attttgggat ccctggtgct gttaccgtgg ttaacggctt tgacaatgag ttcttcttgg 60

acagcataac catggcacia aatgttcatt ttgcttgcaa atcttgggtt caaccataca 120

agcttgaccc agagaagaga attttcttcg ttaacaagggt gtatctaccc tgtgaaacac 180

caattggggt gaaagaacta agagaaaagg aactgaaaca gctaaggggt gatggatggg 240

gacttagggt atcttctgat agaatctatg actatgatgt atacaatgat ttg 293

<210> 47474
 <211> 291
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038125H1

<400> 47474

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 catgcaagcc gtggcgcaact gccaccgcct cggcgtcgcg caccgagacg tgaaaccgga 120
 taacattctc ttcgatgagg agaatcggct caaattagcc gatttcggct cggctgacac 180
 ttttaaggag ggcgagccga tgagcggggt ggctgggcag ccgcattacg tggcgccgga 240
 agtcctcgcc ggaagggatt acaacgagaa ggtcgacgtg tggagcgccg g 291

<210> 47475
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038126H1

<400> 47475

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 gccagcgtct tggtcgtggt ctgggtcgtc aatttcaggg gtggcttggc ttgggattct 120
 gataacaagt ccctcatctt caacattcat ccagttctta ttgttattgg cttactagtt 180
 catgggggtg aagctattat aagttacaaa gcttttcccc taaagaagga agtgaagaaa 240
 ttgatacacc ttgttttcca tgccatcgca ttaatacttg gaatagttgg aa 292

<210> 47476
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038127H1

<400> 47476

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 tgccatggag catggtgttg gtataagctc aagccacgct tggcatctgc tggccacaag 120
 gtcacagtgc ttgaccttgc agcttctgga gccaacatga agaaaattga agatgttgac 180

actttttcac agtatactga gcctttgttg tttctattgg acacaattcc ctcaaatgaa 240
 aaggtagttc tagttgggtca cagctttgga gggctgaaca tagcacttgc 290

<210> 47477
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038128H1

<400> 47477

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 aaatcctcgg tttcaacgtt caactgcgat ctctaaacaa aaccatggca tcactctcag 120
 gcatttgctc ctcttcccca actctcaaaa aattcccgaa ccaatcccca tcgttgaccg 180
 accctctcgg caaagaccac gtgtccttcc ccgcccgcgg cgccgatcgg actctcagcc 240
 tcgcgcccc cctctcgtgcg gtggctcgtg aggtttccga cggagcattg gcggc 295

<210> 47478
 <211> 305
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038101H1

<400> 47478

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 cagtgtcttc gatctccatc tgcaacttcc ttgtctgaca gatcctgtgt tccggagaaa 120
 ggaaaggaaa ggaaagatgt cggggcaaac gcagcgtctg aacgtgggtcc ccaccgtgac 180
 gatgctggga gtggtgaagg cccgattggt cggcgccacg cgctgccacg cgctcctgaa 240
 gaagaagagc gacgcgctca cgggtgcagt ccgccagatc ctgaagcaga tcgtctccac 300
 aaaag 305

<210> 47479
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038068H1

<400> 47479

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 atatccaact acttgctcgt tggagtgggc tgatgcagag gatccacttt ttctactcta 120
 tacaagtggg agcacagaaa acctaagggt gtccctccata caactgggtg ttacatgggtg 180
 tacactgcaa caacatttaa gtatgcattt gactacaagc cgtctgacat ctactgggtg 240
 acagctgatt gtggttgat tactgggcac 270

<210> 47480

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701038069H1

<400> 47480

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 aaatgtcact catctagcaa actccgcctt ctacaactct ctcttctgca tctccattc 120
 acagaacaat aacaaatata ccacattctc cttctcgctt cgtcctccaa caactcttca 180
 cttcaatccc cacaggtccc tccctctaatt tcgcgcttcc aattcttcta tcaatgctgc 240
 ttcgaccact gaactggacg ctgtgtccgc 270

<210> 47481

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038071H1

<400> 47481

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 aaaaaatgcc gtgcctcaac ctcagcacca acgtgtccct cgaaggcgctc gacacctctt 120
 ccacctcgc cgaagccact cctccgtcgc cagcataatc ggcaaaccg aagcctatgt 180
 gatgattgta ctgaaaggat cagtacccat agcttttggg gggaaatgagc agccagcagc 240
 ttatggagaa ttggtttcca ttggtggtct taac 274

<210> 47482
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038072H1

<400> 47482

gcgaagacta gatctgatct gagagaatgg ctctcgggtc tagcagcaag gacgccaag 60
 accttttccg cgctctttgg tctgcttatg ctgcaacccc cactaatctc aagatcattg 120
 atctctatgt catctatgcg tttcaccgc tttcatccag gttgtttaca tggctttggt 180
 tggatcattt ccatttaact ccttcctatc aggagtactt tcttgtgtag gaactgctgt 240
 tcttgctgtt tgtctcagga tccaagtga taa 273

<210> 47483
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038073H1

<400> 47483

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 cgacgatgaa gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacct 120
 gctcaacgcg gacaccactc tccgccttca agacaaagtt cgccaagacc tacgccacgc 180
 aggaggagca cgaccaccgc ttccgtatct tcaagaacaa cttgctccgc gccaaagtgc 240
 accagaaatt ggacccctcc gccgtccacg g 271

<210> 47484
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038074H1

<400> 47484

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 gaacaattga agtgtctctc cgatttgagg attccggcga cagacagcga tgaccaccgg 120
 cggcgacggt gacacctcaa acaagagctc ttccacctta tcaaacgctt cggagcttgc 180

gtcactttca agatctccaa tctgtttctct ctctctctcc acggcctcga tatacgctct 240
atcggggcag ttgctggtct tgctgttgca 270

<210> 47485
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038075H1

<400> 47485

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agctccaggc ctccgattag gtgctaggta catgtttacc atggcagttg gtcgccttct 120
tcgtgccata acttttgatc tacaattctg ccatcagctc gcccttggtg tgctggttct 180
cggttcagag ttccgggata tcctcatcgt tgggctcaga aatattatgt tccctatgct 240
acagatcatg atgctatcag ccgggtgata 270

<210> 47486
<211> 269
<212> DNA
<213> Glycine max

<223> Clone ID: 701038078H1

<400> 47486

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caacgatggc cgcggcactg gagctctagg tttttgaagg tggctagtgc agctgccgct 120
acagccgccg ttgccggcgt ttatatgcca ttctttcatc ctcaacctct gctagctctg 180
agatggaagt gccgtttggc agcgcacggc gtgagagcaa agaacgtgac gatgggtggct 240
ccgggtctca tcctcgcgag ggtgccacc 269

<210> 47487
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038079H1

<400> 47487

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 agaagatgcc gatcagaaac atcgccgctc gaaggcctga agaggcgact caccgccaca 120
 cgttgaaggc ggctttggcg agttcatctc aaccttcac ttcgtgttcg ccggctcagg 180
 ctccggcatc gctacaaca agctcaccga caacggcgct gccaccctg ccggcctcat 240
 ctccgcctcc atcgcccatg cattcgccct ctctg 275

<210> 47488
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038082H1

<400> 47488

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 gaccaccct ttgcatggca gtgagcttct tggcgcgca tgtatcggac ctctgccttg 120
 ggaagccgcc gctgagtcg tctccgccg cgccaccgtc gccgacgcct tggccgcgct 180
 caagagctcc gaccacgaga cccacgtcag cttgtggagc ttctgcgaga acaagaacga 240
 gggttcgttg gttgggaaac tgtgcatggt 270

<210> 47489
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038083H1

<400> 47489

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 cagtttctt ttctctgaaa aaacatgttg aggggtgcag ctagaaggct ctcttcttct 120
 ctctcatctt cttctcggtg cgGCCcaatc acgcccgttc cgtttttctc tctcgaaacg 180
 acgtcgctgt cgatgaccgc agatctgtc cttcctccca tcccccttctt cccttcagag 240
 gttatgctac tgaatccctg atccacaca 269

<210> 47490
 <211> 269

<212> DNA
 <213> Glycine max

<223> Clone ID: 701038084H1

<400> 47490

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 gcaacattta taggtctctt agagtatggg agggctaata aatgggttgt gactgaaaaa 120
 cttggtgact ctgtcataat aataagaata aatcaggaga tgctgccaag aagaataatg 180
 ccatcaaggc ccccccaaa aagactcgat ccaaatttgt tgaaagactt aatttactgg 240
 agttgggatt tgctgccttc ctcttcgta 269

<210> 47491
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038085H1

<400> 47491

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 aactaatcca gaaaatgagc agcggcgctg gaaagggtgt gtgtgtcacc ggcgcttccg 120
 gttacattgc ttcttgata gtcaaattcc tcctcaatcg cggctacacc gttaaggcca 180
 cegttcgga cacaagtgat ccgaaaaaaaa taaaccactt ggttggcctc gacggtgcta 240
 aggagaggct gcacctctac aaggcgaa 268

<210> 47492
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038086H1

<400> 47492

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 ctgggttct tggacagagc agccaccgtc cacggcgacg tcccttccgt tgtttataac 120
 aacaccacct tcacgtgtcc cagacgcgcc gccgatgcct ccagctggcc tccgccctct 180
 cctcccttgg tatccgccgc ggcagcgtcg tctccgtcgt ggcccccaac atccccgcca 240

tgtacgagct ccacttcgcc gtccccctcg c

271

<210> 47493
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038087H1

<400> 47493

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gtcccaccgg ggagagcgtg aagcgtgacg gggtagcat cggagaagtt gtgatgaaag 120
gaggggtgtgt gatgttggtt acctaaaaga cccttcgga acagcaagtt gtttcaagaa 180
cggttggttc tacaccggag atgttggtgt gatgcatgaa gatgggtact tggagatcaa 240
agataggtca aaggatgtta taatcagtg 270

<210> 47494
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701038089H1

<400> 47494

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tgtatttctg tctttggcat cgctgtggtg gctgaagatc catatagggtt cttcacctgg 120
aatgttacat acggagcatt tatccacttg gtgttcgcca acaggaata cttatcaacg 180
gtcaattccc aggtccagac attcattctg ttaccaacga caacctcatc atcaatgtct 240
tcaacagctt ggaccagcca tttctcctct 270

<210> 47495
<211> 266
<212> DNA
<213> Glycine max

<223> Clone ID: 701038090H1

<400> 47495

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gcggtcacag agcctccgcc acgtgtccaa aaacgctcct tcagcatatc gttgttttgg 120
 gtectctacc tgtcacgacc cattagcccc aatccatcat tcaaaacttc ctcccatctt 180
 gctgttttcc aaagaagatg ggcatcacia atcccaacta cagaggaaga cgacaagatt 240
 agcatcggac ctcgtagtgg aggaca 266

<210> 47496
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038091H1

<400> 47496
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 tgacaagtgc taactaagca ctttcttctt cttcttcttc atcccttcat cgccaaacac 120
 aatgaaggaa ttgggggtgg tgcaatcctc ttttcaatag agttcttgga cgttatcgtc 180
 tacactgtaa gcaaagcagc catgaagaag ggcatgaatg actttgtctt tgtcatgtac 240
 tccaatgcct tcgcaacttg cctctctct 269

<210> 47497
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038092H1

<400> 47497
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 cctgttatgt gaaaatcttg gattagaaaa agggacttg aaaaatgcat tttatggatc 120
 aagaggtcca aattttcgga caaaggtagc aaactaccct gcatgcccaa agccagagtt 180
 ggtgaagggt cttcgtgcac atacggatgc ggggtgggatt atccttctct tgcaagatga 240
 caaggtcagt ggccttcagc ttctcaaaaa t 271

<210> 47498
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038093H1

<400> 47498

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 ttatgagcaa tttgatccag attttatcaa cattaggaca aaggctcgtg aagttctgca 120
 aagggaagat gacctgatga aattgttcag cttgtgggca aggatgcttt agctgaagga 180
 gataagatca ccttagaaac tgcaaagctt ttgagagagg attatcttgc tcaaaatgcc 240
 ttacaccat atgacaaatt ctgcc 265

<210> 47499

<211> 269

<212> DNA

<213> Glycine max

<223> Clone ID: 701038094H1

<400> 47499

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 tgcgttttgt gcaatatcgt cgtacctcat gaaacactct cagcaatgag tttttcagaa 180
 acagaatatc cattccattt gtttggtgat attcgagtgg atttatatgg agatttagat 240
 ctagaacttg ttttagacaa atcagatca 269

<210> 47500

<211> 274

<212> DNA

<213> Glycine max

<223> Clone ID: 701038096H1

<400> 47500

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 agtaccact tagcctttct ctgttacact gctcttacct gccctgtgta cctctcaaga 180
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 gggagcttgt ggctttggag aatatggaaa aacg 274

<210> 47501
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038067H1

<400> 47501

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taggaaaccc gccgaaaagg gaaggcagcg aaagatccta acaagccaaa gaggcctcca 180
agtgccttct tcgttttcat ggaggaattc aggaaggtgt tcaacaagga acatcccgac 240
aacaaagcag tgtctgctgt gggcaaagct gct 273

<210> 47502
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701038038H1

<400> 47502

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atcctgcaac tcaaatcatc atgcaagact ccagctcaat gaagatctcc cctctggatc 120
tcatgtccgc catcttcaag ggaagctcga cccctccaac gtctcctcct ccaccaacgc 180
cgccgcccgc gccgccttcc tcctcgagaa ccgcgacttc ctcatgctcc tcaccacctc 240
cgtcgcccgc ctcacgggct gcgtcgctgt cttca 275

<210> 47503
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701038041H1

<400> 47503

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agtgaagaa cttatacatt tcgagatctt gagaaaatgg ccaacaaggt atttgcacga 120

agatattgca gtgctggatg tctcctgccata cactcttgga aaaagagttt tggcatgaaa 180
 ttggttgtgg aaaaatggaa actgttgaat atgcatgtga tgttgatggc agtgcctttt 240
 catcatctcc cactgaccag cttggttaaca gcaaattg 277

<210> 47504
 <211> 277
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038042H1
 <400> 47504

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 caattttcag gaagaaaccc atttgccaag tcgattccat gcttgggaaa gagagcactt 120
 gccttcattg gcgttaaacc atgttggttag agaatcaagt tggagagcat accaccagac 180
 tgccagtgtg tcagacccaa gtatcagatc cagcagcttt cgattaagac acgaatccga 240
 cagaatgcct tcacaaaatc ggtgatatac ttgtttt 277

<210> 47505
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038043H1
 <400> 47505

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 tcccaaattc tccctaaaca agtaacacca ataaacacaa gctttctctt ttcagctctt 120
 cgagggtttc aattctccat tgagatccct catctgggta cctttcaaatt ttgaggcacc 180
 ttcgatcctg tgggtccaagt ttgcagcttt gacttttttt ctcaacatgg gtgggagcga 240
 gactcgaagg gtgtgggttat gggtcgtttg gttga 275

<210> 47506
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038044H1

<400> 47506

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gtgcagagga aggttcacat acaggtcctt tgcaatctca ttatttgtga ccatatgctt 120
tatatggcat tacagattta gcacataaca aagggtgaag atggaaactg ggcacacttt 180
ggtatgcttg cttcagagct gtggtttggc ttttactggg tccttactca agcccttaga 240
tggaaccttg tgttcagaca acccttcaaa aaca 274

<210> 47507

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701038045H1

<400> 47507

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gggacgcac gccaccgtga cgggtggcgcc cgagaccttc gaggccggag cgtccattct 120
ccatccaaag aacctgcaca catggattac gttaagatcc tgaagctgaa ggtcaaagag 180
ccgaccgct cggaggattc cctctctctc ggcatttggg atgggaacaa gttcgttttc 240
aaaacggtgt cgccgcttag ttccactgtt ccc 273

<210> 47508

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038046H1

<400> 47508

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agtttcaccc attcaagaca atccataacc tataaagatt atctctttga caagagattc 180
aacctttctc ttcgcttcta caagcccaa cacgtagcac ccatagacaa taacaagaag 240
cttcctattg tgatgttctt tcacggtgga ggcttttg 278

<210> 47509
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038047H1

<400> 47509

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 tcaatttcaa agccaaaaat gtcaaccacc attgatgtcc ctgcagaaac gacaagcaag 120
 aataatattg gcaatggaat tagaaagttc caggtgcacc cccaaggcca gaaggagggt 180
 ggaagacagg gttagccata atagactttg ttctaagggtt aggtgctatt gcatctgctc 240
 ttggtgctgc tgccaccatg gcaacgagtg atgagaca 278

<210> 47510
 <211> 122
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038048H1

<400> 47510

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 tg 122

<210> 47511
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038049H1

<400> 47511

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 ttcatagtac tactatttcg tacaagtatt cacgaaccat tccattccaa tttccattca 120
 gcagcaacca aatcaccatc tcttttgcac cattagtttt ttagttagat taccctcttc 180
 cgtttcacct tcctttcatg cttacgtcac caccactcac tctttttcta ccctaaacca 240
 ttgaatcgat ctaaattctc cccaaatcgc aa 272

09531113-032200

<210> 47512
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038051H1

<400> 47512

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aagcctactt caagaggtat caagtcaagt tcaagagaag aagagaggga aaaaccgatt 120
accgtgccag gattcgggta ttaatcagga caagaacaaa tataacaccc cgaaatatcg 180
ctttgttggt cgtttcagca acaaagacat tgttgcacaa ataatatctg ctagcattgc 240
tggcgatatt gttcttgctg cagcatatgc acat 274

<210> 47513
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038052H1

<400> 47513

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aaaagtttct catcatttct gtttcccata agcaattaat taaaatactg aatttggtat 120
aatttccttc tcaaatatat tagttttaca attattttat ttctttttcc ttggattgta 180
gccgggggtt cttgttggtga gagaaaaacc tttattctct gttttgggaa catctggggg 240
ctcaatttag tggaagttaa attttgaaac t 271

<210> 47514
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701038053H1

<400> 47514

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tacaagtta gagcaagtgg tagggacagg tgcagatcca aaacctggac tcttcccctc 120

ttatcccagc atgaactcaa tacagctcca agtttgccat tggccacatg gcttccacct 180
 caagcttctg cacctgccct ccttggaataa ggagcaaggc aatggcgaag tggagattgg 240
 atgtgctcaa attgcaacaa tcataattat gctt 274

<210> 47515
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038054H1
 <400> 47515

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 acgtgttttc tctctagatt ctgctcttaa acgccgtcgt tttcaaactc tttttttccc 120
 cttcgcttct ctgtctttgt accgaaaggg gggaaaatat aattaacacc gatttcgcga 180
 ccaattcttc ttctgcgttg aattgggaca acgagaaatt ggatctcagt ttttggcagg 240
 aaataaaaat tgcatttgag tgtaaaataa cag 273

<210> 47516
 <211> 275
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038055H1
 <400> 47516

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 caatcctccg ctccgactgt gtcgcctggg gatgctaaca tcaacaaaga tgggtgtattt 120
 caattgattc aagcacatca gaaaaagctg ctagacttcc accagttgag gaaattcgaa 180
 ctgtccttga tcgtagcgtg cgtgggatgc tctctacatt ctcgaagaag ttcgatgggt 240
 atccatcagg gtctatgggt gactttgctt gtgat 275

<210> 47517
 <211> 85
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038056H1

<400> 47517

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aatccctgat tgtacatcct gaggc 85

<210> 47518

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038057H1

<400> 47518

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aatagagggtg ttttgcaaag ctcaccgggtg caacaaatga tggccagaaa ccctaacaac 120

tggtggaaca tcaacaccat cgccctctc ctccttctca agcttctgca ctttcttct 180

ccactccttc caactttcta actccttata accccacttc tcttctctt ctttcttggc 240

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<210> 47519

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038058H1

<400> 47519

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cgacgatgga gacaaccttc tgatccgtca agtggtgccg gacgcggagg accaccacgt 120

gctcaacgcg gagcatcact actccgcctt caagacaaag ttcgacacga cctacgccac 180

gcacgaggag caccgaccacc gcttccggat cttcaagtac cacttgctcc gggccaagtc 240

gcgccagaca ttggacccct ccgtcgtcca cggcg 275

<210> 47520

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701038059H1

0953113-032200

<400> 47520

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ctcttactag gccacaatc ttttctcgat cttccaataa tatctctctc tttcgctctc 120
aatctcattt ccctgctgcy cattcggttc cttgacacgt tccaaccac acgtgcacgc 180
cgctgtcact tccgactcca aggccgctac ttcgcttgac ctaactcaac ccgatctcga 240
taatagcggc ggcggtgcca acggtaacgg 270

<210> 47521

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 701038061H1

<400> 47521

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gtgagaatgg tctaagaagc cttgcatggc gagccaaaga attggagaca cgggtttgtc 120
tgagtcggga ccttcaagtc ccattgttct tatggagtgc ttcattggat tagtacttca 180
tcaggcctaa tcaatcaagg gtctgctttt gcttttgggg agttggaaga ggcaattgtt 240
ctgcaaggca ttaagataag aaatgat 267

<210> 47522

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701038063H1

<400> 47522

ctcaaactca ctcttttctaa gttttttcta tctctttctc tctctctctg tctgccatgg 60
ttctctccaa aaccacctcc gaatccgacg tctctgtcca ctcaaccttc gcttctcgat 120
atgtcagaac ttcgcttccc agtttaagat gccggaggag tcgataccaa aggcggcagc 180
gtatcacata ataaacgatg agttgatgtt ggatgggaac ccaagggtga acttggcatc 240
atgtgtgaca acctggatgg agccagagtg tgata 275

0953113.032200

<210> 47523
<211> 109
<212> DNA
<213> Glycine max

<223> Clone ID: 701038064H1

<400> 47523

tcgggtcgccc ttccggctcga gctcaacggc acttgacacc ttttatgagc aatttgatcc 60

agattttatc aacattagga caaaggctcg tgaagttctg cacaaggga 109

<210> 47524
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701038065H1

<400> 47524

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caggggtgata agaaggcttt gctcgtaggt attttgcctc agatgctgag ctgaaaaaga 180

cagtcgttta tgacttccat gttgctaata gagggaagat ggtgccattt gctggatgga 240

gcatgccaat tcaatataag gactcaatta tgg 273

<210> 47525
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701038066H1

<400> 47525

tgagaatgag ctgaaggaca agaagttttt tggaggagag gaaattgggt tggtagatat 60

tgctgctgtc ttcatagcat tttggatccc tataattcaa gaagtattgg gtttgaagtt 120

attcacaagt gagaaattcc taagctctac aaatggagcc aagagttcat caaccaccct 180

gttgtcaaac aagtccttcc tcctagagat caactttttg ccttctacaa agcctgccat 240

gaaagtcttt ctgcttcaaa atagacttat tta 273

<210> 47526
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701038037H1

<400> 47526

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acaacgtggt gctgcaatta tcaaagctag aaagctttca agtgcactat cagctgctag 120
tgctgcttgt gaccatatta agattggggt cttggaactc ctcagggcac ctgggtgtca 180
atgggagtat attctgatgg ttctacaat gttccagctg gactgatcta ttcattccct 240
gtcacttgtg ccaatgggga atggacaata g 271

<210> 47527
<211> 128
<212> DNA
<213> Glycine max

<223> Clone ID: 701038006H1

<400> 47527

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ctctctctcg ctctctttgc gtgctaaaac agctgactaa gagaagatat agccatatat 120
gtactctc 128

<210> 47528
<211> 91
<212> DNA
<213> Glycine max

<223> Clone ID: 701038008H1

<400> 47528

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gaaaaacagt ttctaagtta aggccatcca g 91

<210> 47529
<211> 282
<212> DNA

<213> Glycine max
 <223> Clone ID: 701038009H1
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 tgttttggca ccgctgacca gacagacgtc ttacgacaac gtcccacaac cccatgccat 120
 cctctactac tcccagagaa cttccaagga ggccttctca ttactgaagc cactggcgctc 180
 tctgacacgg ctcaaggcta tccgcaaacc cctggcatat ggactaaaga ccatgttcaa 240
 gcttggaac ccattgtcga tgccgtccac gccaaaggcg gt 282

<210> 47530
 <211> 282
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038010H1
 <400> 47530
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 aaatcattat gggactctc atgcttctca agaagttcac cctcctcttt ctcctcattt 120
 ctggatcact tttatcaact tcctttgcag gtagagtacg atccaactct atcaagaact 180
 tcgctaaaga tgtgaatgca atcgaagagg gaacaccaag gaaaccactg aataaggaag 240
 aagtaagaac catccatgag aggcttctta gggctaacac aa 282

<210> 47531
 <211> 93
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038014H1
 <400> 47531
 cttcttctgg tagtttagac acctctgcaa gtgcaaactc cttaccaaac ttcaccttct 60
 ccacacaccc ttacaccgag acttctctct ctg 93

<210> 47532
 <211> 283
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038015H1
 <400> 47532

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 tgtttactgt aatgatcttg ttccgagggt gccctacgat gacaaggcaa tgatgttcaa 120
 gcactttggg acatgtcttt tctttacaga cgctatgaac tcgagggttct tgaagagcaa 180
 tggaataaga actacttctc actctgggtgt gtgataccca tggcatacaa cgcgatttta 240
 gaaataataa ggagtttcat tattgcccgc caaatggag ctt 283

<210> 47533
 <211> 87
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038016H1
 <400> 47533

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 agcgaatttt ccattcttca atttttc 87

<210> 47534
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038017H1
 <400> 47534

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 gaaagcagat ttataaatga actgctgatg atcttgactc ttgcatgatt tgtctgatgg 120
 tatatagtga aatgaaatgc tattaagaat ttaagtccaa aataactaatg attggcctga 180
 caaaaggcag aataataagt gttgattgta acacaatgat ggcatgttca ttgctagata 240
 tatgagagat cgtagattgt tgggcagtga agcatt 276

<210> 47535
 <211> 277
 <212> DNA

<213> Glycine max
 <223> Clone ID: 701038018H1
 <400> 47535

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 ttcttcgttt gctaccttct ctcagaaatg gttacgttca ggtttcacca gtaccaggtg 120
 gtcgggaggg ctctcccaac ggagcagatc agcatccgaa gatctaccga atgaagctct 180
 gggccaccaa cgaggttcgc gccaaagtcta agttctggta ttttttgagg aagctgaaga 240
 aggtaaagaa gagcaatggg caagttcttg ctatcaa 277

<210> 47536
 <211> 278
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038019H1
 <400> 47536

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 cggaatgctc cctctcctcg ctctccacac cgtcagcgag tattaccgct ccgaccacaa 120
 acctccgttc accgccgccc tcacgccgcc aacaccctca tctacctcgg cccctccttc 180
 ctcgatcccc tcattcccc cattgaacaa gtctggttca acccccacct catcctcaag 240
 aacacggact tgaaacgctt cttgttgctg ccgtttta 278

<210> 47537
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701038020H1
 <400> 47537

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 caggttttta tgagactcga attgcatatt atgcatggag ggggtgctaaa ggataccgct 120
 tttctgccat ccctgattat taagtgtgac ggtaaagtga aaatagagct atctataccg 180
 tgaaaacata gtaatgatca aattcggttg caacttgtat gtttcaatgg caaagatgga 240

acaaaatggt agaaaagtgt aatcgacttt gatact

276

<210> 47538
<211> 293
<212> DNA
<213> Glycine max

<223> Clone ID: 701038021H1

<400> 47538

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ggccgaaccg ggccggtggc accggttact ggaaggcaac cggggcggat aagcccattg 120
gtcagcccaa accggttggg attaaaaaag ctttgggtgtt ttacgcaggg aaagctccta 180
aaggggacaa aagcaattgg atcatgcacg agtatcgtct cgcagacgta gatcgctccg 240
ttcgcaaaaa gaacacccta agggatatata cactccgtac ttctttctag ttc 293

<210> 47539
<211> 280
<212> DNA
<213> Glycine max

<223> Clone ID: 701038022H1

<400> 47539

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cttctccgct cccacgattg tcttcaaggc caccacgatg ccttgtcccc aactccatct 120
tccatcagat cacaaagaaa ccctaaccct agccccaacc cttaccagac tcgccggcgg 180
aggctccacg acggcgaccg ctccggcatg gtggtgaaag gccccagcgc gcacctcgtc 240
atggggccatg tcaagatcct caagagaggc gagacgctca 280

<210> 47540
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701038023H1

<400> 47540

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agacaaacta gagcttgctt tcagtgtgt tcttgatccc aagcccaaga aggattgggt 120
 cattttgtcc cttaggggtg tcgctttttt gccacagcat ctgctacact tggtatggca 180
 ttcaacaaac aaaccaaagg catggtagt gctaccattg gcaccaaccc agtaacaatt 240
 actcttactg caatgtctca gcacactcca gcttttata 279

<210> 47541
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038024H1

<400> 47541

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 tagccttcca taatcttata acaatggagg ggaccaccag ccaaagcacg ttaccttca 120
 tccctagcac aattgagaca cctagtcaag catgcctgag atctcatcat catcaccttc 180
 ccctggcggc tctcttgcaa gagctgcaca aagttaccct cctggatttc ccagaacagg 240
 tatttgcgga gggttataggg acatttctgt tagtgtttgt 280

<210> 47542
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038025H1

<400> 47542

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 gaggattggc aattgaagat ccctctgcac cccatggcct tcgccttgat atagaggact 120
 acccttatgc tggtgatgga cttgaatatg ggatgctatt aagacatggg ttcataaata 180
 tgtctccttg tattacocaa cagatgcagc agttcaacaa gatactgaac tacaagcatg 240
 gtggaaggaa gctgtggaga agggatcatg tgacttaa 278

<210> 47543
 <211> 276
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038026H1

<400> 47543

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ggcgtcctgg tgcgaacttc cagcacatgg accaactctt ctctcacctt tccactgatt 180
tccccaacgc ccgcttctta agggtcgagg ccgaagagca acccgagatt tctgaggctt 240
actcgcgtctc cgctgttctt ttcttttgcct tctgca 276

<210> 47544

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701038027H1

<400> 47544

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acctcaccca ctttctctgc gccatggaaa cagtacgttg tctggcatgt gtacttgttc 120
aaggtgacat atgacctaaa caatattaga acttaatctg atcacaaggc agtttttttg 180
agctgatctg gatgggaacc ggtgaagaaa gcacagctaa agttcctaaa ccattcttcta 240
cttcttcaat tcagatacca ctggcacctt catatcc 277

<210> 47545

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701038028H1

<400> 47545

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gcaacaaact tttctctctt tcgttcacac acttattctc tggcttcttt ttcttcttcc 120
atcttcgctt ctcgtagcat ttctggaaca ctcatggctt ccattgccgg atccagctgc 180
gtcgtctctc gaaccgcaa tttcgctctc tccgataacc ggaaaatcgg tcagatccgg 240
caatggctctc caattctcac taatctccgt cctgtttc 278

<210> 47546
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038029H1

<400> 47546

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 actactttctc ttccgcttct tctgatggca aaccaagctt cactctcctt ttcttcttcc 120
 gtgtctcctg ttcacgcgcc tctcagcgcg tgggcacgca caacggaagc tticattgcg 180
 acgaggccct eggctgcttc atgattcgcc tcacgaacaa attcaacagc gccgaaatcg 240
 ttcgctcccg agaccctcag gtgttgaggg ttctcgatgc 280

<210> 47547
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038031H1

<400> 47547

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 agctgaacta gattgttggc attacctact agctaagcat tcattttattt tgtaatttaa 120
 aatcgttgat gtataagaac ctcttaagtt atgtatttat aaataatttt gtgcttcgat 180
 ccttgaagac agaaaaaaaa actcatacag gtaatctcat cataatattt ttagtattcc 240
 tttgaaaaaa aatcaacagt tatataaact ccatgtataa t 281

<210> 47548
 <211> 92
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701038032H1

<400> 47548

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 ctctcaatt ctaaactcgc cttccccatt ta 92

<210> 47549
 <211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038033H1

 <400> 47549

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 tcatcacagt ggtgtgttgt agccccgaga agatacagag acaagctttg ctacaaaggt 120
 ggaggctcta tcaagagcat tgaatactgg aactgccc aa gccaaggcc gagaagccta 180
 aagcagaccc tcccaaagct gagaagccca aggccgagcc cgagaaaaag aaggacggtg 240
 gcggcgagaa gccaaggcc gagcccgaga aaaagaagga 280

<210> 47550
 <211> 273
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038034H1

 <400> 47550

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 ttcaatcttc aattttcttt tatatatcca ccaatccgca aagtgcaa at ttctaattctt 120
 tcacgtattg ggttcttctc tttccctctt cgtctccgat cgatccaatt ctcttcccat 180
 ggctacgac ggacacaaca atctcaatgc caaattgggt cttctcgggg acatgggtgc 240
 tgggaaatcc agcctcggtt tgcgctttgt caa 273

<210> 47551
 <211> 275
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701038035H1

 <400> 47551

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 cactctcccc aagaagatgc tgaagctctc agaaaggctt ttgaaggatg gggaactgat 120

0953113-032200

gagaacactg tcatagtaat ttgggtcata gaactgtgta tcagaggcag caaatcagaa 180
gagtttatga ggaaatttac caggaggatc ttgtgaagcg cctagagtct gagatcaaag 240
gagactttga gaaagccgtg taccgatgga tactg 275

<210> 47552
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701038005H1

<400> 47552

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gcggcatcca agcacgccac atatgttcct cacaccgccg gaaggctact ccgtgaagcg 120
gttcaggaag gcgcagtgcc ccattggtga gatgctcacc aactctctca tgatgcacgg 180
tagaaacaat ggcaagacac tcttggtgt taggatcatc aagcatgcta tggagattat 240
tcatttggtg actgaccaga accccattca ggttattggt gat 283

<210> 47553
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037971H1

<400> 47553

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cagtttcctg gttgccttgg cggccacttt ctcctttcaa gggaacggtg aaaaccttgg 120
tcgcaaaacc atggctgaag aagattcagc aagcaagacc cctcatttcc gtgggtaaca 180
aggctgcctc tctatcttcc cccgtgacag caccagcgt cggcgttcgg tttcggtg 240
acaatttggg gccgcaaccg gggtcgagga agagggcta 279

<210> 47554
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037972H1

<400> 47554

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 agatcaaggg gaagaggggtg agcgaggttc cggagcacgt gaagccgatg ctgtcgctga 120
 actacatcaa gaaggcgatt cagcgagcct tcgataatta ccatgccaaag tacattgaaa 180
 ccagctcccc cgatcccatc ttccatgtct gctacggcgg catgatcttc tcctacctcg 240
 ttgctctccc ccacgagcgc cgccacctcc agcacgccc 279

<210> 47555

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037973H1

<400> 47555

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 aaaaagcacc ttggacctcc tcatcaaaga agtggagaag aaagtccatc aaaggctcga 120
 gattagagag gacacaacga agatggtgaa gaaggctcca cggttgccgt tgatgaagta 180
 aagggatagc acggagagag aaatggagga aatagagaag catgaaaaaa ggatggtggc 240
 agcgatgcgt tactaggatc gacagacaaa gacaaatga 279

<210> 47556

<211> 280

<212> DNA

<213> Glycine max

<223> Clone ID: 701037974H1

<400> 47556

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 ttactatatt cgattgaaca tcgccgaaga aggtattgac gtcgatgatg aaaatgaaat 120
 tggtgaaaac attactgctt ctctttgtg tgaaactctt ctgttatgca gtgattggtg 180
 ctctcaaac ttgtcctgct aacaatgagg ataatgcgg cgattcagat gaatggaaag 240
 gggagttttt ccttgacatt cccaaaatta aatatgaggg 280

<210> 47557

<211> 280
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037975H1

 <400> 47557

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 ttctcagaaa ggcaaccaat tggtagagca gctcaggggtg acaaggacta caaagaacca 120
 cccccagcac ctttgtttga gcctgggtgag cttaaagtcac ggtccttcta cagagctgga 180
 attgctgagt ttgtggccac tttcttggtc ctctacatta ccatcttaac tgtcatgggt 240
 gtcaacaggt caccctccaa gtgtgcctct gttggcattc 280

<210> 47558
 <211> 283
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037976H1

 <400> 47558

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 gtgagcttga tccaaacctc ggagaacaac ttcctatggt ccataacaag aacgatgcag 120
 cagcagcagc agcagttcac cgatggcccc acatcgatgc aactcaaagc catcctccac 180
 tacgcgacct ctcagattgt ccctcaacaa tctctttccg agattacaat aaccttcgac 240
 gtgctccaaa gcctccaccg ccccgccaac ttctctgtgt ttg 283

<210> 47559
 <211> 286
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037978H1

 <400> 47559

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 atcccaaatt catttctggt tctcattctc aattcttctt ctattctcat tctgatttgc 120
 cacacagca gaaagggtga aaatagtggg acttgattca ctggagggtg agaaagatgg 180

ctaacaacgc agctgcttgt gctgagagag caactagtga tatgctcatt ggtccagact 240
 gggcaatcaa catagacttg tgtgatatca ttaatatgga ccctgg 286

<210> 47560
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037979H1

<400> 47560

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 ttattagatt tatattctct tagctcagaa caagacttaa gagttaagag ggtcacctgt 120
 ttacaagtt ttctgatgat taaacagtat tgattggcta tattattatg gtttattgat 180
 aacactgggt attcactaga aatgaaaaag aaaaagaata ctgtgatcaa tagtttaata 240
 cttttgttac cttgcaattt tgaaggaaag gagcaggtgt ttgtctatcc 290

<210> 47561
 <211> 155
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037981H1

<400> 47561

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 ctgcagcatt ctcggatgca gtggtccaga tttatttggga taatgctggt gatctggaac 120
 ttattgctaa gagtattgaa tcttcagacc ttaac 155

<210> 47562
 <211> 70
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037982H1

<400> 47562

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 gcgtctgact 70

<210> 47563
 <211> 271
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037983H1

 <400> 47563

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 actttttgatg tctctcttct caccatcgag gaggggtattt tcgaggtgaa ggccactgct 120
 ggtgatactc acttgggagg tgaagatttt gataacagaa tggatgaacca ttttgttcag 180
 gaattcaaga ggaagaacaa gaacgatatt agtggaaatg ccagagctct gaggaggttg 240
 agaacagcat gtgagcgggc aaagaggact c 271

<210> 47564
 <211> 276
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037984H1

 <400> 47564

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 acccttcctc ctctttcttt tgaaacctct ttttttctat tccccaacca aacaagcaaa 120
 cgctactcac tcatcatcac tgagatcatg gctcctaata tcaccactgt caaaaccacc 180
 atcaccgacg ctcaagccaa ggtcgccacc gatcatggtc gtgcctacgt caccttcctc 240
 gccggaaacg gtgactatgt gaaaggtgtc gttggc 276

<210> 47565
 <211> 268
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037985H1

 <400> 47565

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 acaacgtggg gctgcaatta tcaaagctag aaagctttca agtgactat cagctgctag 120

tgctgcttgt gaccatatta gagattgggt tcttgggaact cctcagggca cctgggtgtc 180
aatgggagta tattctgatg gttcctacaa tgttccagct ggactgatct attcattccc 240
tgtcacttgt gccaatgggg aatggaca 268

<210> 47566
<211> 277
<212> DNA
<213> Glycine max

<223> Clone ID: 701037986H1

<400> 47566

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ttgcaacact tcccttagag atcaagggag aaattgagga atttctcaag gtgattttca 180
ctctatttca agacctggat tttactttct tggagatgaa tcctttcact ttgggtcaatg 240
gaaagcctta tcctctggac atgagggggcg aacttga 277

<210> 47567
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037987H1

<400> 47567

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aatctcgatt cattcgtaa taattaaaga tgtttgggag ggcaccgaag aagagcgata 120
atacgaggta ctacgaaatc ctcggcgtct cgaagaacgc ttcgcaggat gatctgaaga 180
aggcttaciaa gaaagccgcc atcaagaatc accctgacaa gggcggtgat cccgagaagt 240
ttaaagagct ggcacaagca tatgaggttc tgagtg 276

<210> 47568
<211> 153
<212> DNA
<213> Glycine max

<223> Clone ID: 701037988H1

005413.032200

<400> 47568

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tccttctgtt gcgggggaag ggcaaaataa tggccttggt atgaacttct acaaggaatc 120
atgccctcag gctgaagaca tcgtcacaga aca 153

<210> 47569

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037990H1

<400> 47569

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tccggcaacc acattccctc ctccaagaaa aaccacaaga agctccttct ctctctattg 120
gccaccctcc tcgtggcggc ctccgtggtg gccattgttg ccggagtaca aaacaaaacc 180
aaaaactccg acaactccga caccaccagc acctccctct cctctccca ccaactcgac 240
gtgatcgta agagcgctg tagctccaca ttctatc 277

<210> 47570

<211> 72

<212> DNA

<213> Glycine max

<223> Clone ID: 701037991H1

<400> 47570

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tctgcttcaa tg 72

<210> 47571

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037992H1

<400> 47571

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 tgtgagtcac tgtttccaag tgacatctac acgaaggaag ccattatgtc ataagggctg 180
 gggatatatat atgtatgtga gacgtgagga tgatatacaa gaaaacacaa aagctttttc 240
 gtgttagtaa acgatgcgta ttcgtgttgt aagtt 275

<210> 47572
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037993H1

<400> 47572

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 ttctggatga aagtggcaaa gcttcttgct tagctgaaga gatagcagaa aatctagagc 120
 acacgaaatg tgaagacttt cgtgactact accctctgcc tagttacacc tccaaaattc 180
 ctaagttcca aaagagcata aacaaatgca agatcaacat caacaccaca aaagatgggg 240
 tcatcatgcc tctctgtgtg cccaagttgg accccgatgc 280

<210> 47573
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037994H1

<400> 47573

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 cagctgcctc aacagctggt tatgtttatt tgtactcaat atactacttc tatgtgaaga 120
 cgaagatgtc aggcttcttc cagaccagct tttattctgg atacactttg atgttttctc 180
 ttggactagg aattctatgt ggagctgtgg gttttcttgg ttcaaatttg ttcgtgagga 240
 ggatctacag aaatatcaag tgcgattaag gttttgagtc ag 282

<210> 47574
 <211> 247
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037996H1

<400> 47574

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gtttggccaa acactcccat tcccactgca ctgcgagagc ttctaaagcc tctccctgca 180
gtctgaatcg tgactcctaa gaattgatga taccagtacc aaacatctct aaagagactt 240
ctcagca 247

<210> 47575

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701038002H1

<400> 47575

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tcttcaaatt ctgccttcat tcgattcagg ggggaattaa attgtttcta ttttttctcg 120
aatttaccac aaattagaaa tcgataaaga aaatgggtgag ggtgttgaga agctgcattc 180
aatcgatttt gaagctgggtg aactcgggtga ttgggatgtc ggggctagcc atgattctgt 240
actccgcatg gatgattagg gtttggcaga ggaagatggg cgaactt 287

<210> 47576

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701038003H1

<400> 47576

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gaaagcagtt cagaatcttg gacagtttcc ttctattttg ccagagaatt tgtaaatata 120
tttgctgctc tgggtgtctcc gacatacaac ttcgaagagg attcggcaat tgaaaaatga 180
aagaaaatac gtcagttctc attgttcgtt gcaagttgag tatgtgtatc catgctattt 240
cggtattttg tatacacctc aggtagcaaa tcatactttt a 281

<210> 47577
 <211> 280
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037970H1

<400> 47577

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 agcctgggtc tattatgaat atggaaacat agaagagatt ctcaaatttg aatctaacaat 120
 acccatacca gacatcaagg aagaccaagt gctcatcaag gttgtggctg cagcgcttaa 180
 tcttcgagat tatatgaggg ctcttgggtt tttcaaggac actgatgcac ccttacctat 240
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<210> 47578
 <211> 283
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037941H1

<400> 47578

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 ccctaatacca agcgctctt acctccaagt tttgtgattg aagctgcat ggaggaggag 180
 acctccgatg caatgaacct tgatttgaat ctgggccag gccagagcc cgaaactggg 240
 cccatgagca atgaagctgt gaacttggac gattggatag ggg 283

<210> 47579
 <211> 285
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037942H1

<400> 47579

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 caaacactct gtaactcttt attttatttt ctttctttct ttctccgatc gcatagctcg 120

ctcgcaacca ccatgccttc ccgaagaaga actctcttga aggtcatcat tctcggtgac 180
 agtgggggtgg ggaagacatc tttgatgaac caatatgtga ataagaagtt tagtaatcag 240
 tacaaggcaa ccattggagc ggatttttta accaaagaag tgcaa 285

<210> 47580
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037943H1

<400> 47580

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 ccaagacgac ggcaaggact accaggagcc ggcgccggcg ccactggttg acccgacgga 180
 gtttacgtca tggtcctttt acagagcagg gatagcagag tttgtggcca cttttctgtt 240
 tctatacatc actgtcttaa ccgtcatggg agtcgccggg gcta 284

<210> 47581
 <211> 288
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037945H1

<400> 47581

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 cggaccacct gttaagaagc aaagtgctgg agagttgcgt cttcaciaag atataagtga 180
 gctgaatcta ccaaaatcat gtaccatgca attccccaat ggcaaagatg atctgatgaa 240
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<210> 47582
 <211> 51
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037946H1

002230"ETTES60

<400> 47582

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<210> 47583

<211> 295

<212> DNA

<213> Glycine max

<223> Clone ID: 701037947H1

<400> 47583

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ctttggggct cttggcgatg atcctcttct tcattgcttc ctcttctctt cacctcgttc 120

gcgcttccgg tgacgccgac gacgcgatct tctacgagtc gttcgacgag gattttgatg 180

gacggtggat tgtatccgac aaggaggatt acaatggtgt ctggacgcat gccaaagagt 240

atgggcatga tgattatgga cttcttggtta gtgaacaagc caggcaatat gctat 295

<210> 47584

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037949H1

<400> 47584

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tgaaagcttc aaatttgctg atgcaactga tctcatgtgg ctcaatatca gtgaaaaacc 120

atagttttgg ccttattcct tcctataagc ccagggtttc cagttcaaaa tttccttccc 180

cgctgttctc aacttctttt gtgttggggg agtttgattg cttagccgag aatccaaagc 240

tgatgagtct cagattggaa gacaaagaat attttagtgg aagc 284

<210> 47585

<211> 283

<212> DNA

<213> Glycine max

<223> Clone ID: 701037950H1

<400> 47585

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 tcttcgtcgg cggaagcatg tcacgctcat catcaagcaa cgcctacgac gtgccatggg 120
 tagaaaagta ccgtcccagc aaggctgccc acatcgctcg caacgaggac gccgtctcca 180
 ggctccaagt catcgctcgc gacggcaaca tgcccaatct cattttatcc ggtcctcccg 240
 gaaccggcaa aaccactagc attctcgccc tcgcgcacga gct 283

<210> 47586
 <211> 282
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037952H1

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 tcgcgaccca tctaaacccg aaaagggtga tcacttgctc aaacttgatg gtgcaaagga 180
 gaggtacat ctctttaagg cagatctgct ggaagaaggt tcctttgact ctgcttttga 240
 gggttgtgat ggtgtcttct atactgcttc acccgttcat tt 282

<210> 47587
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037953H1

<400> 47587
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 aggtgtcaag tatctccatg ataattggct tatccatagg gacttcatct catcaaacat 120
 cctgctgatc catgatgggg agcttaaaat atgcgacttt gggttgtcaa ggcagtatgg 180
 aagcccgtg aagccatata ctctgttgt ggttacacta tcgtacagag cacctgtcct 240
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<210> 47588
 <211> 282
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037954H1

<400> 47588

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 ttgacccttc tattgagatc gttcgaatct tgctctctcg cgggatcagc cctaaagtta 180
 gcaccttgaa ttctttgatt tctaggggtt gtaaaagtcg aggggtggat gaagggtatg 240
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<210> 47589

<211> 284

<212> DNA

<213> Glycine max

<223> Clone ID: 701037955H1

<400> 47589

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 atcttcatca atatactcat cttgttcacc tcagctcact ccttccttca tcttcctgca 180
 gctcttctgc caaagggtccc aaaagaaaag catcattaga agtggtacac aaacatgggc 240
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<210> 47590

<211> 285

<212> DNA

<213> Glycine max

<223> Clone ID: 701037956H1

<400> 47590

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 ctgcgtctct tcctcttctc tttcgattca tccctcattc ataattcttc aatccaacaa 120
 cctcagcctc aactcacac atacacacat ctgaacgcgt atcgtccctc ccatggcttc 180
 aaagcgcatt ctcaaggagc tcaaggactt gcagaaagac ccaccaactt cttgcagcgc 240

tggtccagta gctgaggaca tgttccattg gcaagcaacg attat

285

<210> 47591
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037957H1

<400> 47591

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tgaggtgtgc cactggatct tcgagaatga cgtggcgtgg accattgtga agtgagaaaa 180

gcgaacatca gaataaggaa ggaagaagag ttacctctat aggaaactac agttaaattt 240

tttaaaaaaa gcacttctgt tctgctaaga aaatttagca gt 282

<210> 47592
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037958H1

<400> 47592

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tcccatctc ccttcacttc tgagctctgg acgagatccc agatctcacc atctttcacg 120

cactcttcca tcagattcac cctttcgttt aacgcaaact cataacttga aggttaatgg 180

ctgctccacc ggcaagggct cgtgccgatt acgattatct cataaagctt ctcttgatcg 240

gtgacagcgg tggtgggaaa agttgectcc ttctgcgttt etc 283

<210> 47593
<211> 117
<212> DNA
<213> Glycine max

<223> Clone ID: 701037959H1

<400> 47593

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aatcatgttc tcatttatac atttatgaaa tgtttctcat cattttgaac tactttt 117

<210> 47594
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037960H1

<400> 47594

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tttgctggca ccttggcctc tgggtggtgct gctggtgctt catccctttt gtttgtttac 120

tctcttgact atgcccgta ccgctcttgcc aatgatgcta aggctgcaaa gaagggagga 180

gagagacagt tcaatggcct tggtgatgct tacaggaaga cattggcatc tgatggtggt 240

gctgggctct accgtggttt caacatctca tgtgttgga tc 282

<210> 47595
<211> 285
<212> DNA
<213> Glycine max

<223> Clone ID: 701037961H1

<400> 47595

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gccgctaaga aaactacgaa gacccatgag agcatcaaca acaggctcgc tcttgatcatg 120

aagagtggca aattcaccct cggttacaag accgttctca aatctcttag gaactccaaa 180

gggaaattga ttatcattgc taacaactgc ccccttttga gaaagtcaga gattgaatac 240

tatgctatgt tggcaaagggt tggagttcat cattacaatg ggaac 285

<210> 47596
<211> 93
<212> DNA
<213> Glycine max

<223> Clone ID: 701037962H1

<400> 47596

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gtgggcaccg ccgcgatggc ggtggccgcg tcc

93

<210> 47597
<211> 289
<212> DNA
<213> Glycine max

<223> Clone ID: 701037963H1

<400> 47597

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tgcgttgtct gcaattgcag tttcaacact ttcagaagaa ggcaccactg tcgatcctgt 120
gggagaacat tgtgtaatga acattcatca aatcaaattg ctttaccaca atttggcctt 180
tactcaaattg tccgagtatg tgctgattgt ttcaacaact tgcggtctgg gaaggatgaa 240
ccacagcctt cttcagacgg agtaaactgt gtgacagata caatttcta 289

<210> 47598
<211> 127
<212> DNA
<213> Glycine max

<223> Clone ID: 701037965H1

<400> 47598

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caaaccgaat cgagttttaa tttgaatttc attttcaact tccctgtgat gccttacacg 120
gtccgag 127

<210> 47599
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037967H1

<400> 47599

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gtgcattaag atttcgtttt gtgtgatgtg tgtgctgggg ttggtgatcg tgggtgatgt 120
tgcctacgct caagattcag cagaagacta cgtgaatgca cacaatgcag cagagcaga 180

ggtgggttct caatcaccaa gacaaacagt gattgttcca agtttggtt gggatgatac 240
 ggttgctgct tatgcagaga gctatgctaa tcaacgcaa 279

<210> 47600
 <211> 281
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037968H1

<400> 47600

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 cggcgacggg caccaccgtt cggagcgccg cggaaccatc tcaacctcag ccacaaaaac 180
 catccccctcc tctccctctc cctccacctt ccacatcatc aacccttcca caccctcccc 240
 caatccctaa ccctaaccct aaccctagcc caggcccagg c 281

<210> 47601
 <211> 279
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037969H1

<400> 47601

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 attttcgta atattagaga ttctacgttc gcacgattat gaagatgatg ctatagcagc 120
 agcagtagaa ttcgttattg caaaagaaga agaaaatgga cgatagaggt agctcattcg 180
 ttgctgttag gagaattcct caaggagaaa cctgccatcc aaattctgga ggaatgcttg 240
 cagaggatac agagacgtat agatgttcca tctgatagt 279

<210> 47602
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037939H1

<400> 47602

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 cattcaaagt cataaccgat acctaaaatc ctcatcccaa tcaaaaccaa cccaccatg 120
 cccacaaaat taagtcatca aattaaagca ccgatgatcc tcaatttgat ccttgtgctt 180
 atttgtgtca ctactccaat caaaggtgag acatcaagga agcttgatga ggtcacaaac 240
 ggtaatgaga agtgcacacc atgtgaaggt ggttacaccc catcacc 287

<210> 47603
 <211> 289
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037910H1

<400> 47603

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 tgggtgccga tgccgtcggc gaacggcgga gaaggaggag gaccacctgc tgaacgcgga 180
 gaccacttcg cgagcttcaa ggcgaagttc gggaagaagt acgcgaccaa ggaggagcac 240
 gaccgtcgtc tcggcgtctt caagtccaac ctccgcagag cgaggctgc 289

<210> 47604
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037912H1

<400> 47604

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 aatttaacca tatttttgggt cattaatata tatattgaat gcacattctg taacatagga 120
 tatcttgtca taggggtgaa tttgggagg agcttccttg tttcttgata tttgttcatt 180
 catttgtttc tcttgggttaa ttgctttatc aattgtgttg tgatcttttt agctgtacca 240
 caaaattcta tacctgtgtc ctccgtttcc ggaaaatgtt gaaagcaaat 290

<210> 47605
 <211> 131
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037913H1

<400> 47605

ggaaacattg gtagaagaca ttgaagagag agagagagag agagagagag agagagagag 60
 ggttgattg gttttcttct tccttctctc tagagagact ctaatctcaa tcctcattac 120
 agatttcttc a 131

<210> 47606

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037914H1

<400> 47606

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 ccatgagtgc cgataagaag aaactgattg gcagattacg cctatttttc actaatgcaa 120
 aaccatacct cttaatgatt ggcttgcaat ttggcatggc tggaaattac atcttcggca 180
 aggatgttct taaccatggc atgagtcggt ttgtgttcat tgtttaccga aatgctatgg 240
 ccaccattgc tcttgcccct atttgcttct ttattgaaag gcaaag 286

<210> 47607

<211> 301

<212> DNA

<213> Glycine max

<223> Clone ID: 701037915H1

<400> 47607

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 tgctgttcca gtgcgcacgg tttattgctt caaatccggt tctagaggaa acgaggatgc 180
 tgcacaagtt atcaaggaag ccttgctgaa aattcttgct ccttattacc ccatggctgg 240
 cacgttgatg ataagcttgg aagggaagtt aatagtggat aaccctgggg aggggtgcggt 300
 g 301

<210> 47608
 <211> 301
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037916H1

<400> 47608

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 aaaggaagca aaatcgctct caaatgggct attgacaatc ttctccgcaa cggtgacata 180
 ctctacatcg tccacatcaa gccttcgggc ggaagtgaat tccgaaatct tctctgggtcc 240
 accactgggt cacctctgat tccgttgctg gagtttcgtg agaaggaggt gatgcatcac 300
 t 301

<210> 47609
 <211> 290
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037918H1

<400> 47609

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 aagaaggcat catcagctat ggatgaagct gtgaaggctc acatgtcatt ctgccgcaag 120
 ttcaaatcca accctgcagt tagagttgct gaagggatga gacagatgct aaggagaagg 180
 tctgacttgt catcatcatc atcatcatca tctccatctt catcaaagaa gtacacaagg 240
 tcaaccagca cttctcaagt cggggattct tcaagtttcc attttagta 290

<210> 47610
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037919H1

<400> 47610

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gcggataggc cttctatgag ggatgttggt ttgatgctgc aagaggccaa gccaaagagg 120
 aaattgcttg atagtgttat tgtgggtcga tgtgctgggg acaatgtggt tgggtggtggt 180
 ggggtgaca ttcctttgcc acaaaagcca accgcggatc aatgctaagtg tgtttatatg 240
 attgacatgt tttttcttct tcttcttctt cttttttata ttttgga 287

<210> 47611
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037920H1

<400> 47611

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 ttaaaaaata ttattaagga gaagtgaagt aagtttttct tcttaagtta aaagtaactt 120
 atacatgaga taatttatag aaattcttat acaataactt atccaaaaat ttgttttta 180
 tttatacata agttaaattt attttgtggt aaaaatttag tttatttatt ttcgtataca 240
 agtgtttatg gaaaatttat ccaaataaaa ccaaattgt tttcttc 287

<210> 47612
 <211> 287
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037921H1

<400> 47612

gcggcatatg aaacattgaa tgaagtagta aggtgttcaa cagatgaaac agctactttg 60
 gtggtacaac tagtttctgt catcatgatg gagctgcaca aatgtcttga agcacaaaat 120
 ctttcatcgg atgagagaga aaagcggagt gaattgatag gccttctttg tgggtgcatg 180
 caagtaatta ttcagaaact agggctcttg gattctacca aatatgtggt ggtgcagtat 240
 tctgatcaga taatgagact attcttcagg gtctttgctt gtagaaa 287

<210> 47613
 <211> 288
 <212> DNA
 <213> Glycine max

0022E0 EFFE50

<223> Clone ID: 701037923H1

<400> 47613

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cctccttccc ccagagatga tgccatgcag ctttaccgtg cttttaaggg atttgggtgt 120
gatacaagtg ctgttatcaa tatacttgct catcgagatg ctacacagcg tgcctacatc 180
cagcaagaat acaaagcaat gtattctgag gaactttcca agcgcttagc ttcggagctt 240
agtggaaagt tagagactgc agttctgctc tggttgcatg accctgca 288

<210> 47614

<211> 94

<212> DNA

<213> Glycine max

<223> Clone ID: 701037924H1

<400> 47614

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ctcctcaatg ctaatctcgc cttccccatt taga 94

<210> 47615

<211> 286

<212> DNA

<213> Glycine max

<223> Clone ID: 701037926H1

<400> 47615

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ctttctaagg gttttctttt ctttgccgag aaaatgagag agtgcatttc gatccacatt 120
ggccaggccg gtatccaggt tggaaacgcc tgctgggaac tctattgcct tgaacacggc 180
attcagcccg atggacagat gccgagtgc aagaccgttg gcggaggaga cgacgccttc 240
aacacatttt tcagcgagac cggcgccgga cagcacgtgc cccgcg 286

<210> 47616

<211> 290

<212> DNA

<213> Glycine max

002230.F1E560

<223> Clone ID: 701037927H1

<400> 47616

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cactcttggt cttcagtctc ctctattat ccgccaccgt agccgccgcc gaacggatcg 120
acgatgaaga cgaccttctg atccgtcaag tgggtgccga tgcggaggac caccacctgc 180
tcaacgcgga gctccacttc tccgccttca agacaaagtt cggcaagacc tacgccacgc 240
aggaggagca cgaccaccgc ttccgtatct tcaagaacaa cttgctccgc 290

<210> 47617

<211> 287

<212> DNA

<213> Glycine max

<223> Clone ID: 701037928H1

<400> 47617

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cttgtagata ttttggttc ctaatttcac ggaaaaagta tggtgtctgc attgatgatg 120
attgtgttcc tgcaaaagat aattcagga ttttggtgga tgctgtggct cagcatattg 180
tgaacctgca gactcctgcc accccttct tctttaatac actgtatgat ccattctgta 240
agggtgcaga ttttggtcgt gggtacccat tcagcctgcg aagtggg 287

<210> 47618

<211> 293

<212> DNA

<213> Glycine max

<223> Clone ID: 701037929H1

<400> 47618

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ctcttcactc ttggtcttgc gagagaaagc catgccagag acgaagattt ttggcatgct 120
gtttggccaa aactcccat tccaagttca ttgcgagatc ttctaaagcc tggccctgca 180
agtgttgaaa tcgatgatca ccctatgcaa attgaagaaa cacagtaccc gaaaaccttc 240
ttctataaag aagaccttca tccaggcaaa acaatgaaag tacaattcag caa 293

<210> 47619
 <211> 292
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037930H1

<400> 47619

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 gctttgagat ggtggaccct tcaataggaa ctcaagagaa cgaagatcat gctgctccat 180
 ccaatgatgg atcgaattct aacggaaatg gggctggaac cagtaccggg gataggtccg 240
 ttcctatctt cgtttccgac cctgatgtcc ttgattgctg catttgctat ga 292

<210> 47620
 <211> 293
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037933H1

<400> 47620

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 cataacagcg gtacagctga agactgctct tgctgtgggc aacctggaat ttccgctctc 120
 agttgttcag caaatgatca ggatgtacga tttcgacagg aatggtacta tgagctttca 180
 agaatttggt gcaactcaaca acttccttct taaggttcaa catgcatttt ctgatctaga 240
 gaggggtcgt ggttttcttg tacctgatga tgtatttgag gctttgggaa aaa 293

<210> 47621
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037934H1

<400> 47621

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 aagtatgcct ggggtgcttg caagctcaag gctgagcgtg aaagaggaat caccattgat 120

attgctctgt ggaagtttga gaccacaaag tactactgca cagtcattga tgcccctgga 180
 catagggatt tcatcaagaa catgatcact ggaacatctc aagctgactg tgctgttctt 240
 attattgatt ccaccactgg tggttttgaa gctgggtattt ccaa 284

<210> 47622
 <211> 86
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037935H1
 <400> 47622

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 gtcttcaatt atcatgttag tagtat 86

<210> 47623
 <211> 280
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037937H1
 <400> 47623

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 cccagttcgc gttctcgtca ctggagccgc aggcaaattg gatatgctct tgtccctatg 120
 attgctaggg gagtgatgct gggctctgac cagcccgtga tcctccacat gcttgacatt 180
 cctccagcag cagagtcggt gaatgggggt aaaatggaat tgggtggatgc tgcattccct 240
 cttcttaaag gtgttggtgc tacaaccgat gtggttgagg 280

<210> 47624
 <211> 285
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037938H1
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cttcaactta tcccacattc tccactctca atggcttcaa ctctcaaac tggcggaatt 180
 catacagggg caatcaatga tgattttatac aaggaattgt ggcatgcatg tgctgggtccc 240
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<210> 47625
 <211> 292
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037909H1
 <400> 47625

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 acatgctctt gagaagtgcg ggagtgtgaa agagacacag aaagtattga accacaactt 120
 tttcaccaga aacctcaaga aagtgtaccc tattgggctt cagaaaagca cctcatcttt 180
 gtctctgtct tcaatttcat tgtctttgtc acaaaactca aatgactctt cacaggctga 240
 ttctttgact ccactggatg aaaagatttc gctggcactg cgtttgatat cg 292

<210> 47626
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037868H1
 <400> 47626

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 aagttcagca ccaagagttt gagtccaaag ttttgtgtga tgatgggggtg gaattgaagg 120
 ggagtttgggt tgttgatgct agtggattcg caagtaattt tgtagcatat gacaagggtga 180
 gacaccatgg ttttcagatt gctcatgggtg ttttggctga cgtggatgat cacccttttg 240
 atttgacaa gatggtttta atggact 267

<210> 47627
 <211> 267
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037869H1

<400> 47627

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 tttttctcaa tgactagcgt tttagctttt gttggtaa at catactattg gtttcaatgt 180
 attgaattgt tcttaaaaaat taaaaagggt tatttttctt atgtatcccc tgcttcttca 240
 tatgaagcaa gtttacagga tactttt 267

<210> 47628

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 701037872H1

<400> 47628

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 agaatgctgt tccgtcagaa gttgaatcgg agacgcaaaa ggatcatttg gaaaaggcaa 120
 cagttacctc atgccttget gtttcagaac aagagggtcat tagttcta at gagaagatca 180
 agaaggaagc aacattaatt gtttctagtg tgccagatat agaaactact ccaagacttt 240
 cagttagtaa ggagggtgta gactca 266

<210> 47629

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701037873H1

<400> 47629

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 cgagtgcag ggggtgggct ttacacacc gagctagtgt ctggaatccc tgtaattttc 120
 ttccagtttg tagccaacct cccagccttc catcagggtcc tagttttcct atgcatcaaa 180
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 aaagagttca gaatctaccg gt 262

<210> 47630

<211> 262
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037874H1

<400> 47630

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 ctgataacaa gtccctcatt ttcaacattc atccagttct tattgttatt ggcttactag 180
 ttcatggggg tgaagctatt ataagttaca aagcttttcc cctaaagaag gaagtgaaga 240
 aattgatata ccttgttttc ca 262

<210> 47631
 <211> 263
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037875H1

<400> 47631

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 ctcgatgatg ggtcgggtcg gaacatgtca gtgcccacgc tgctggctat tgatgatgcg 180
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 gttgcaattc tcaataatat tga 263

<210> 47632
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037878H1

<400> 47632

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 ttgaggacag aaggccagct tctaactggt acccatatgt ggttacttcc atgattgcag 120
 acacaacat tctgtggaag ccatgagcaa aacttgcatt ttgtctccct ttggatggaa 180

caaggaacaa ggaacaagga acaaggaaca gttatgcttt tctaagtagg gtttggcct 240
 ttttattttt taccttttga ttttt 265

<210> 47633
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037879H1

<400> 47633

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 tggcctattg ttggtcattt gcacctcttc ggggctcatc aacttacaca caaaacacta 180
 ggcacgatgg ctgacaaaaca tgggccaatt ttcacgataa aacttggttc atacaaagtt 240
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<210> 47634
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037880H1

<400> 47634

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 ccaagaagga aatgcgaatt ctgatggtgg gtctcgatgc agctggtaag accaccatcc 180
 tgtacaagct caaacttggga gagatcggtta ccacaattcc caccattggg ttcaatgtgg 240
 agactgtgga atacaagaac attagtttca ctgtctg 277

<210> 47635
 <211> 265
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037883H1

<400> 47635

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 gctatatgct gttgaatcct gaagacgctc atttcttcga tcttggtcat gtgctgtatt 180
 cccgtaactt gggaaaccga aaatttggtg acagcaatgc tgagggatct tatgagggaa 240
 gcttccgcc aagatggctt atatt 265

<210> 47636
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037884H1

<400> 47636

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 aacgagcttc aaaatgtgga acctccagaa atgtatggat tcgatatgca atgcatttat 180
 agagtaccac cagccattcg tgaaaataat cccaaagcct acacacctca aatgggtttca 240
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<210> 47637
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037885H1

<400> 47637

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 aacaccataa taccgaaaac tatacccggc aagaagaa 98

<210> 47638
 <211> 265
 <212> DNA
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<223> Clone ID: 701037886H1

<400> 47638

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 gaatgaaatt acttttgggtg acgaatctag agtgggaaga ggtggaatga ctgtcaaagt 180
 aaaagctgct gttcatgcag ctgatgccgg cattcctgtt gttattacca gtgggttttgc 240
 agctgagaat attatcaatg ttctc 265

<210> 47639
 <211> 261
 <212> DNA
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<223> Clone ID: 701037887H1

<400> 47639
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 aaacctgaga acaacataaa aacatctgtt tttaaatacac ccaagattga gctaggtcca 180
 gggttagttt caaaciaaatt ttattttgat gttgactttc caagaggcca tattgcactc 240
 aagagtttca atgctgaatt g 261

<210> 47640
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037888H1

<400> 47640
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 attggcagat gaacaggagg aagttggcat tttcaacagt ggggacacca gactacattg 180
 ctctgaagt acttttgaaa aaaggatatg ggatggaatg tgattggtgg tcaactgggag 240
 caataatgta tgacatgctg gttggt 266

<210> 47641
 <211> 257
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037889H1

<400> 47641

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 aaggtgatcg cagagtacat atggatcggg ggatcaggaa tggacctgag gagcaaagca 180
 aggactctcc caggaccagt tagcgaccct tcagagcttc ccaagtggaa ctatgatggt 240
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<210> 47642

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 701037891H1

<400> 47642

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 ctcagtcagt agaggagctc acaaaaaactt gagacgtgcc gaacgtgccc gtataatggt 180
 cagcagaatg ccagctttgg tagatttgct aataaaaaatg actaggagtt gggaagaaga 240
 cagaaataaa gttttcttgt atga 264

<210> 47643

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 701037892H1

<400> 47643

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 tcggccaagg tcattcgaaa taagcaaact ggtcagtctg agggatatgg attcgtggag 180
 ttctattcac gagcgacggc tgagaaagtc ttgcagaact ataatggcac gatgatgcc 240

aatacagatc aggcattccg tc

262

<210> 47644

<211> 267

<212> DNA

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<223> Clone ID: 701037893H1

<400> 47644

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cggaaccatg cgcgcccaca ccgacgtcgt gacggcgatt gccactccca tcgacaactc 120

cgacatgatc gtgacggcgt cgcgcgacaa atccatcatt ctctggcacc tcaccaagga 180

ggacaagacc tacggtgtcc cccgccgccg cctcaccgga cattctcact tcgtccagga 240

cgtcgtcctc tcatccgacg gtcagtt 267

<210> 47645

<211> 82

<212> DNA

<213> Glycine max

<223> Clone ID: 701037894H1

<400> 47645

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ttgaacaggt ccaacaccct ac 82

<210> 47646

<211> 135

<212> DNA

<213> Glycine max

<223> Clone ID: 701037901H1

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tttttgactg ttcct 135

<210> 47647

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<211> 95
<212> DNA
<213> Glycine max

<223> Clone ID: 701037904H1

<400> 47647

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agactcagcg gtcttgcgat tctctttcgt cttgg 95

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<212> DNA
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<223> Clone ID: 701037905H1

<400> 47648

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ttcacattgg gggcttccgg ttctatttgt tgattttgat gctcgagttc tgtgggtttct 120
aaagcattga aatggggaaa gggagaagtc ctgggaaatg gttcaagaat ttactcttgg 180
ggaagaaatc gtcttcaaag tctacttcat caaagaagaa tgacattttt aaaccttcaa 240
ttgacaagga tttgctggtg tcgtctgagg taccctgccc tgatcca 287

<210> 47649
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<212> DNA
<213> Glycine max

<223> Clone ID: 701037906H1

<400> 47649

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ctgtttctgc acttgcgctc cacacccact gcaaaacca aagcatttcg ccattctcca 120
aaccaccaa gcccaaagcc tcgtcttccc ttcattggac accttcatct cttaaaagac 180
aaatttctcc actacgcact catcgccctc tccaaaaaac atgggtccct attctctctc 240
tactttggct ccattgccaac cggtgttgcc tccacaccag aattgt 286

<210> 47650

<211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037867H1

<400> 47650

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 aactgagagg atgaaacgta ataatagtgt ttatcccgt gcacttaact gtgatgacat 120
 cctgcatgag atcctacttc gaataccacc accaactatc tccaaattaa ttatcgtatc 180
 acaaatatgg ctgctgtga tatgcagtcc ttcatttcgt caatgctacg tgaggcaatg 240
 gggacaaagt tttcgacttt tgggtttttt 270

<210> 47651
 <211> 284
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037907H1

<400> 47651

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 aacaggggtg cacatgtcaa tggatctatc aggaaagaca acacacaaaa ctgaaggtag 120
 gatcaaatac ttccactatc atggaaccat ctgagacagg agagaaacat gtaaaatact 180
 cgtcaacaca acacaagtca cacagaacaa aattccttat gtgatggaca ccacaatgag 240
 ggacactgct ggggtaatca agacatttga gctcaagatg attg 284

<210> 47652
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 <212> DNA
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<223> Clone ID: 701037839H1

<400> 47652

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 gatcatggaa ttgaaattca cttcgaaatc gctgcagcgt caatcgcgta agtgcgagaa 120
 ggaggagaaa tcggagaagc tgaaggtgaa gaaggcgatc gagaaaggca acatggacgg 180

cgctcgaatc tacgcggaga acgcgatccg taagcgcacg gagcagatga actacctccg 240
 cctggcctcg cgcctcgacg ccgtggtcgc 270

<210> 47653
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037841H1
 <400> 47653

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 gggaatgata gtggattttg aaaatgacca aaacgacgcc gttctgggtc cgtcccctaa 180
 cttcgccatg gttgaagact gcgttttccg atccagcttc cccaccctt ccaatttccc 240
 ctttctcaa accctaaacc ttcgctcc 268

<210> 47654
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037842H1
 <400> 47654

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 tcaatcatcc attcattatt catcatactc gtcggcgaag aaaatcacgc tgaagagttc 120
 ggacggcgag gctttcgagg tggaggaggc ggtggcgctg gagtcgcaga cgataaagca 180
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 cctggcgaag gttatcgagt actgcaa 267

<210> 47655
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 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037843H1
 <400> 47655

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 acttccttgt tgctatcttg gctttgacat ccaactgtgt ctctgcctat gaccctagtc 120
 ctctgcaaga tttttgtgtg gcggccaaag aaaaagatgg tgtatttgtg aatggaaaat 180
 tctgcaaaga tccaagctt gtgaaagctg aagatttctt caaacatgtg gaacctgcga 240
 atactgcgaa tccactaggt tcacaa 266

<210> 47656
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 <212> DNA
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<223> Clone ID: 701037844H1

<400> 47656

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 tttggcagag ttccatgcaa ctctgatttt cgtgttcgct ggtgttggtt cagccatcgc 180
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 ggcccatgca tttgcactgt ttgtagg 267

<210> 47657
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037845H1

<400> 47657

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 tgcagccatc atcactgctt atcaaggatt tgataaaatt gagttttctg ctggcaaadc 120
 tataacttgtt ctaggaggtg ctggtggagt tggatccctt gttattcagc tcgccaagca 180
 cgtttttggc gcatctaagg ttgcagccac tgctagtact ccgaaacagg atttgttgag 240
 gagcttagga gcagacttgg ctattgatta 270

<210> 47658
 <211> 274
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037846H1

<400> 47658

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agttctggga ggtgatatgc gacgaccacg gcatcgacca caccggaaag tacagcggcg 180
actccgagct ccaattggag cgcatcaatg tttattacaa tgaagccagc ggcggaaggt 240
acgttccacg cgccgtcctc atggatctgg agcc 274

<210> 47659

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037847H1

<400> 47659

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ccgaatctaa gacagccgat gccaaacttg ctgtgaataa gaagggcgcc gccaccaaga 120
ctaggaaacc cgccggaaag gggaaggcag cgaaagatcc taacaagcca aagaggcctc 180
caagtgcttt cttcgttttc atggaggaat tcaggaaggt gttcaacaag gaacatcccg 240
acaacaaagc agtgtctgct gtgggcaaag ctgctgga 278

<210> 47660

<211> 279

<212> DNA

<213> Glycine max

<223> Clone ID: 701037848H1

<400> 47660

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agtggtgccc aatgggagcg gagaggtttt cccacgacca tgctcccttg attctgggtc 120
tccagccatc cgccctgggc gacaacgttg ccaccgtcga ttggtccttg ctccatcgca 180
ttcccggcga gcgcggtggc tccatccctg tccaaattga agaactggaa tccatactga 240

gagaggttaa atccaaatcc cacgatgaca tcaaaaactc

279

<210> 47661
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<212> DNA
<213> Glycine max

<223> Clone ID: 701037849H1

<400> 47661

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tttgggggac caggtggtaa acatcctcag tactattggg catatgagga gttaaagcga 180
tctggagtag ttttcccaaa gcgttcacca gatgcagctc caatatttac tctcctcct 240
acccatccaa atttaagaaa tatgcaagct ggatatgg 278

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<212> DNA
<213> Glycine max

<223> Clone ID: 701037850H1

<400> 47662

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cgcaacaccc acaccacac ccgtccttc atctccaact ccaacaacag ctccatccca 180
ggccccaggc ccaaccacct cctcccctcc cgcgccaggc ccatcaggcc cagcaccagg 240
cccatcaggc ccggtccag accaaccagc ctccgagc 278

<210> 47663
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037852H1

<400> 47663

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 tcatactttc atggaggaga atcttcaccc aaatcacctc aacactaate ctccctctct 180
 ccttcacatt cctcatccac atggaaatct ccaacctcct cttcaggaag attctcatca 240
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<210> 47664
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037853H1

<400> 47664

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 gaacctaaaa tccacctctc acaattcaaa ttccaaactc ttccactcat ggaacgccac 180
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 aaacctctcc aaccaaactc tctccggtgt t 271

<210> 47665
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037854H1

<400> 47665

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 atcgacaacg tcaaggccaa gatccaggac aaggaaggaa ttcccccgga tcagcaacgt 180
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 aaggagtcaa cccttcacct tgtccttcgt 270

<210> 47666
 <211> 268
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<223> Clone ID: 701037856H1

<400> 47666

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ctagttgctg gggatgcgtt tatattttta aggggtgaga atggggaact tcgagttggt 120
gttaggcgtg caatgagaca acagggtaat gttccatcat cggttatctc aagccacagt 180
atgcatctcg gtgttcttgc aactgcttgg catgccatat tgactgggac catgttcact 240
gtgtattaca agcctaggac tagtccag 268

<210> 47667
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037859H1

<400> 47667

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ccacaagtaa aatgtcaggt gaagaggggtg tcattgcagt tgagccagct gctgctgctg 120
ctgccatccc aggcgagcca atggatatca tgactgcctt acaacttgtg ctgagaaaat 180
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atgctgcaca actctgtgtt cttgc 265

<210> 47668
<211> 265
<212> DNA
<213> Glycine max

<223> Clone ID: 701037860H1

<400> 47668

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ggcgcggtccg acgccgacga catcctgac cgtcaggtgg tgccagatgt tggcgaagcg 120
aagaggagga caacctgctg aaagccgagc accaatccgc gagcttcaag gccaagtctg 180
ccaagaccta cgccaccaag gaggagcacg atcatcgctt cggcgtcttc aagtccaacc 240
tccgcagagc caggctgcac gccaa 265

<210> 47669
 <211> 268
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037861H1

<400> 47669

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 cgtgccggcg acgccggggc ggattccgtc ttcgcggagg cgtggaagaa agtgagcccc 180
 aacatcgacc cgccgaagac gccgctggcg tacatgaagc cccgaccacc cactccttcg 240
 actctcccct ccaaactcac cgtcaact 268

<210> 47670
 <211> 266
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037862H1

<400> 47670

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 taagttcggg ttgtgttgaa ctcaattgtg tcccattaat aatagtactc taatatccca 180
 cctacgtttg ttatgaatgt gtgaaatatg aaatgattaa ttgtcaaaaa aaaaaaaaaa 240
 aaaaaggggg ggccgccgat tattga 266

<210> 47671
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037863H1

<400> 47671

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 tacagtgggt gtgcttggac tgcttccact ctccctagat gcacaactag atccctcctt 120

ttacagagac acttgtccca gggttcactc cattgttctg gaagtcgtca ggaacgtttc 180
 aaagaaagat ccccgatatgc ttgctagtct cattagactt cactttcatg actgctttgt 240
 tcaaggatgt gatgcatcag ttttgttgaa caac 274

<210> 47672
 <211> 111
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037864H1
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 atagttcaca ctaatctttt agatgagtga agagaacaca agagcattaa g 111

<210> 47673
 <211> 228
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037865H1
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 agatcggccc aaacgaacca tccgagctgg ctatccatga aaatgcctac ggtcttgccc 120
 gatatgccgt catatgccag gagaatggtc tggtagctat tgtagagcca gagatcctgg 180
 tggatggacc tcatgacatc aacaagtgtg ctgaggtgac cgagcgcg 228

<210> 47674
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> Clone ID: 701037866H1
 <400> 47674

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 agacacatcc aaccagatgt ccaggcgtga tcctctgaga tggtacatgg atgtaattga 120
 tgatatgcta actcaaagg gaagatccat ccttcaaacc acaaggtggc cgattaggag 180

aaagcgacat tgattatgat actgacgaga agtcaatggc aacactaaga cgtcattctc 240
gaggagctac tgaggagtac tacaggtata aaa 273

<210> 47675
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037838H1

<400> 47675

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catcactgcg ccgcgctgcc acaccgaaca aacacaaaca tggatgactc caaactcaat 120
caattgaagc atttcatcga acagtgaag tccaaccctt cctcctctc cgatccttca 180
ctctccttct tccgcgacta tctcgaaagt ctcggggcga aactccctga atctgcttat 240
tccgaatcga cgggcgtgga gagcgatgag g 271

<210> 47676
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037815H1

<400> 47676

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aaaatcaatc aaggctttga actatggcca ctcttcagag ttggagaaaa gcctacggtg 120
ccatcaaaga cactacaaaa gtcggtctcg ctcatgtcaa cagcgacttc gcggtatctc 180
aattctcaat cttattcgta ttcacggatt cgttttcata tgtgttccga aatatttctc 240
gtgcgagtga tcggtttctc gcgtggatta taatattat 279

<210> 47677
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037816H1

<400> 47677

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 atactataca aatggattct agccttacca ctaaagggga agggagactg ggaaacactg 120
 taggcaaaag cattaagaat gctttagagg tgggtgtcgc tttgtctact gacaagattc 180
 acaaatcaca atggaacact atagtatcat ttgattcatg taaacaatcc acctccacct 240
 agtggggaaa agtttggctg ttgtctacca ttaccctat g 281

<210> 47678
 <211> 295
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037817H1

<400> 47678
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 aatggaatgc tgtgggaagt tgaggcgaag tgggttgta aaggagcagt tgatgtagac 180
 attggtgcaa acccttctgc tgagggtgga ggagaagatg agggagtga tgatgcagct 240
 gttaagggtg ttgacattgt tgacacattc agacttcagg agcaaccgc attcg 295

<210> 47679
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037818H1

<400> 47679
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 ggtgctggcc ccaagattga ggaagtggac taaatgtagt tgctttcctc cagataacctg 180
 ttttaaaaac ttattttact ttatgctttt ttaattggat tttaatcgca tgatttttct 240
 tggatgggat tcaaactatt tttcccttct gatat 275

<210> 47680
 <211> 262
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037819H1

<400> 47680

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 tatgttcgat cgtatgtgat tgtgcgactc gaggagttag aatctttgta ttttctgtt 180
 aaatatctac aatatatcat ataatatattt aattgtcttg aatttttttag aaacggaggg 240
 aagtgactga ataaaagggg gg 262

<210> 47681

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037820H1

<400> 47681

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 tctttctctt cattttcttc gctcttcgat ctctgtccgg ggactgctcc gaataccacc 120
 accaccactc gccgatggcc acgatcggag gcttacacga ctccaaggc tctcaaaaca 180
 gcgtcgaaac cgaagccctt gctcgattcg ccgtagacga acacaacaag aagcagaatt 240
 cgcttctgga gtttgctagg gtggttaggg c 271

<210> 47682

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037821H1

<400> 47682

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 aaaccaccca agccagggtt ggaggagtcc caggaacaga tccataagat aaggatcacc 120
 ctttcttcca agcacgtcaa aaacctcgag aaggtttgtg cggacttggg tcgtggtgca 180
 aaggacaagc gcctcagggt taagggacct gttaggatgc ccactaaggt tcttcacatc 240

actaccagga agtccccctg tggatgaaggt a

271

<210> 47683
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037822H1

<400> 47683

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cttggcactg aacattatct tccatcaaaa ataaaaattc agagcagaat aacaacaatt 120
caggaaaaca aaaaaactca gccacataat ttccttcaac tcatggcttg tactgagcat 180
ggccatggct ctgtgttggt ggggttggtg ttgttgaggt tagctgcttc acaaagttgt 240
tggttatggt tgagcacatt tgggtttgac 270

<210> 47684
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037823H1

<400> 47684

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cctcttcaag acctctgtgt cgcagacctt gcttcagcgg ttaaagtga tggattcaca 120
tgcaaagatg ctgccaaggt aaatgcgagt gatttcttct cagacatact agccaaacca 180
ggtgccacaa acaacaccta tggctcccta gtgactggag ccaacgttca gaacatccca 240
ggactcaaca cccttggcgt gtctttatca cg 272

<210> 47685
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 701037824H1

<400> 47685

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ttagtgccctc cttgccagaa gttaaaatgg cncaagaaac tttcctattc acatctgaat 120
cagtgaacga ggggcaccct gacaagctct gtgaccagat ctccgatgct gtgctcgatg 180
catgcttggga gcaggaccct gacagcaagg ttgcctgtga aacctgcacc aagaccaaca 240
tggtgatggt tttcggagag atcacaac 268

<210> 47686
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037825H1

<400> 47686
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tgaatttcga cgtggcggcg cagattaaga tggtgtggga agtcatcaag gcgccattga 120
tcgtgccact gctgaacctc gcagtgtaca tttccctagc gatggcactc atgctcttca 180
tgagaggggt gtacatgggc attgtcatca tctcgttaa gctcttctgg aagaagctcc 240
accagcgcta caagttcgag ccaactccaag 270

<210> 47687
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037826H1

<400> 47687
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atcgaacaaa acgcttacat aaaactcgtc cttcactccc tcaaacaccc aacctccgcc 120
gtcaacggcg tcttgatcgg tcgcatctcc gcttccaacg acgtcgtcga gatcgccgat 180
gccgtccctc tcttccactc tcacatcccc cttcttctcc aattggagat atctctcatc 240
atgatagagg aatatttttc tgctaaaggg 270

<210> 47688
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037827H1

<400> 47688

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ccaaaccctt cactctctca ctccaaacca ctcttctccc tcttctacgc agaacaacca 120
ctcattcccg atcgtaaca tttctctctc gacctctcgc ccgcttcttc gttacctccg 180
ccaccactgc acctcctcaa tccgaggatt ccgacgtttc caccgtcatt cctccccgaca 240
atcgcatacc ggcaaccatc atcacgggt tt 272

<210> 47689

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 701037828H1

<400> 47689

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caaatcattg attgtttgtc tatcgaatcg gtgagaaaat ggagtgagg ctgatggggt 120
tcccccaaat gggcgaacag aaggcaattg aagaagcagc cgccgaaggc ctcaagggca 180
tggaacacct cctctgtctc ctctcccatc aaccttccca cctccgcact caccacaccg 240
acgccaccgt ttccaacttc aaaaaactca tc 272

<210> 47690

<211> 137

<212> DNA

<213> Glycine max

<223> Clone ID: 701037829H1

<400> 47690

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gtggcaccgc atgccttata tgtataatta aatactactc aggaactgaa gcaatgaaag 120
tatagaatta attttgt 137

<210> 47691

<211> 274

09531113.032200

<212> DNA
<213> Glycine max

<223> Clone ID: 701037830H1

<400> 47691

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gatattatcc caatttcaca aaccccaacc tcgctttctc tgtcatccaa ttcacaccgc 120
catggatccc aaccccgga ccttccctct cctctcctac atcatgtcgc gcctcccttc 180
cctcactccc agaccgccc caccggcacc ctccgattcc gaccaattcg acatcgaaca 240
gccaccggag attgtgggcc aaatgccgca cctg 274

<210> 47692
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037831H1

<400> 47692

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gaacgaagta gagtagtggt ctacgcaaaa tgtggcggtg catcgcacgt cgtctccgtg 120
gacctgcttc caccagatcc acctcccatc actcacttgg atctcaactt tctagattct 180
tctctagtgg ggcgaactcc tcgtacaccg tggtagatca tacttatgat gctgttgctg 240
taggagctgg tggcgcgga ttgagagctg ctattgga 278

<210> 47693
<211> 283
<212> DNA
<213> Glycine max

<223> Clone ID: 701037832H1

<400> 47693

cgctgtagct atatgcgcaa atctagaaaa acatacgttt tgtttggttag ttgggtttta 60
tagttcacac taatctttta gctgagtga gagaacacaa gagccttaag gtactctgat 120
gtttttatca catgatcata gggtcatttt gcaatctcac tttttaaaac aaagtgttgt 180
aattctaatt tttaatacct ttttattttt gaatatctta ttagacaccc tttcttctta 240

cattctttat tattggaata tgttcaagtt tgctgtactc ggg

283

<210> 47694
<211> 284
<212> DNA
<213> Glycine max

<223> Clone ID: 701037833H1

<400> 47694

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aaactctcag ttcccgctctc aagatatgtc atcttcacag ccagaaacag atattcttgc 120
agacattctt cctcaagcac cattatctga gatgcattca cagcagaaca ttccagttcc 180
tacagatcaa ttttctcaac aacccttttc tgctcctaata ggccaaccag gacaagtaca 240
atcatccttt tcatctccct ccagtcaata tgcacaacca ccct 284

<210> 47695
<211> 257
<212> DNA
<213> Glycine max

<223> Clone ID: 701037834H1

<400> 47695

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cttcaacaga ttatggagggt tcaaattttc atgttaatga ggcaaagccg gtcattattcc 120
cccaacagtc ctttggtcaa ccaaaaccta ctactactcc gtctgttggt aacttggttc 180
catctgttat tgatctaacc ggactcggag ttccagaaga tggcaagaaa atgatcactg 240
actttatgtc aactatg 257

<210> 47696
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037835H1

<400> 47696

aggagacagg gtaatattac aggaatggtt tgaccgcgtt gactcggaga aaagtggaag 60

002220.4.032200

cataacagcg gtacagctga agactgctct tgctgtgggc aacctggaat ttccgctctc 120
agttgttcag caaatgatca ggatgtacga tttcgacagg aatggtacta tgagctttca 180
agaatttggt gcactcaaca acttccttct taagggtcaa catgcatttt ctgatctaga 240
gaggggtcgt gggttttcttg tacctgatga tgtat 275

<210> 47697
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037836H1

<400> 47697

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aacaagttcc ccgagagaca gccaatggg acggcggcgc agagccaaga cgactgacag 120
gactaccagg agccggcgcc ggcgccgctg gttgacccga cggagtttac gtcattggtc 180
ttttacagag cagggatagc agagtttctg gccacttttc tggtttctcta catcactgtc 240
ttaaccgtta tgggagtcgc cggggctaag t 271

<210> 47698
<211> 270
<212> DNA
<213> Glycine max

<223> Clone ID: 701037837H1

<400> 47698

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cgaaccgctg ccttaagaaa tgagcttgaa gagcctcgaa gttcagaggg ggatcaactt 120
ccaagactcc agagtctaca aagaatccta caaggcagtg ttgcagtaca agtgaatagt 180
ggagtcttga gtgtctgcac tgccttcttg tccggggagc ctgacgaccag gttacgatca 240
caggaactgc agcaacttat agctgccctt 270

<210> 47699
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037814H1

<400> 47699

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 actggtcacc tgatttaca gcttggagggc attgacaagc gtgttattga gaggtttgag 180
 aaggaagctg ctgagatgaa caagaggtct ttcaagtatg cctgggtgct ggacaaactt 240
 aaggctgagc gtgaaagagg aatcaccatt gata 274

<210> 47700

<211> 273

<212> DNA

<213> Glycine max

<223> Clone ID: 701037784H1

<400> 47700

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 tgggagatag cgaaccggtg gtcactgaag catctgctgc tgaggcatat gcttcggctg 180
 gttatgctga gactgggtca aatcctactc ccgacgcagg tgctgctggt gatcaatccg 240
 ctggagaagc tgctcaggcc agctcaactt acg 273

<210> 47701

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037785H1

<400> 47701

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 cgatctatgg ctgtcaaata cttctgcaca aggagcatgc tattccagtt cgtcactttg 120
 ctaaagagtc tgcacctcct gcccttaagg gagatcagat gctgaagaac atttttgtgg 180
 aggtgaagaa caaatttgag actgcatag gaatattaga gaaggagaag atcaccattg 240
 acccagaaga tccagctgct gtttctcatt atgca 275

<210> 47702
 <211> 278
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037786H1

<400> 47702

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 cattccctag agtaagaccc tcccctccat ttctcattat tcattaacgc cgataaagca 120
 aaaaatacac cttcacaag ttcacataaa cacaccgaa gagaaaaaga aataaagaga 180
 gagagagagt cgggtagggg tttgttcttt gttactcgtt tctttccaaa ttagggtttc 240
 cctttttgat tcaccaaact tctcccgatt cgaattcg 278

<210> 47703
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037787H1

<400> 47703

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 ctcatattaa ctgcaactgc aactacgaac tacgaacatc agggtagtga ttaagaaaaa 120
 ccctagcaat ggggaagaag cagcacagca aagacagaat gttcatcacc aaaacggagt 180
 gcgcaacgga gtggggaggc gctaaatcca aagaaaatcg cactcccttc aaacgtcttc 240
 ccttctattg ctgctcgctt acgtttacgc cgttt 275

<210> 47704
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037788H1

<400> 47704

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tctctcagta cggcgaaatc gttgaaacga agattatcaa cgatcgtgag actggaagat 180
 ccaggggttt tggattttgtg accttcgcct cggagcagtc catgacagac gccatcgaac 240
 ggatgaacgg ccaaaacctt gacggccgta acatc 275

<210> 47705
 <211> 272
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <223> Clone ID: 701037789H1

<400> 47705
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 gcaaggacta ccaggagccg gcgcgggcgc cgctggttga cccgacggag tttacgtcat 180
 ggtcgtttta cagagcaggg atagcagagt ttgtggccac ttttctgttt ctctacatca 240
 ctgtcttaac cgttatggga gtcgcggggc ta 272

<210> 47706
 <211> 269
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037790H1

<400> 47706
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 tggattcggt accttcttct tgcaagaatg ttgagattaa taaggatcct aatgtatgtc 180
 aagcgatacc gagcctttgt ggcaacttta ttgactctca taccaagttt gatgccatac 240
 ctagggatca tattttgtac cttgtgtat 269

<210> 47707
 <211> 267
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037791H1

<400> 47707

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tgtcaagttc ctacttgaac gtgggttacac tgtcagggcc actgatccaa acccaaata 120
tcacacgaag gtagaacatt tgctaaaact tgaaggtgca aaggagagac tgcacctttt 180
taaggcagat cttttgggtg aaaattcttt tgactccatt gttgagggct gtgatggcgt 240
ctttcatact gcttctcctt ttattat 267

<210> 47708

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037792H1

<400> 47708

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gttctaactc ttcgcctatt ggggttctact cttttctctc ttcgtttccg atcgatccaa 180
ttttcttccc atggctacga tcggacacaa caatctcaat gccaaattgg ttcttctcgg 240
ggacatgggt gctgggaaat ccagcctc 268

<210> 47709

<211> 268

<212> DNA

<213> Glycine max

<223> Clone ID: 701037794H1

<400> 47709

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aagggtccgc gtccttgagc tttctcgcag attgaagcac cgtggtcctg actggagtgg 180
gctccactct catggtgata actatttggc tcatcaacgg ttagccatag ttgatccagc 240
ttctgggtgat caaccctct tcaatgaa 268

0953113.032200

<210> 47710
<211> 238
<212> DNA
<213> Glycine max

<223> Clone ID: 701037795H1

<400> 47710

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aagagatcag agattaaatc tgcaattgaa gagttgtcta tgctgggttat agtcaaact 120
gaaggaaatc atgtcatgat tgctcacatc cccaccaagc ctttcctgtc tctatgtcac 180
ttggttctac aagttcttga taagataaga ccaacgatgg ccgttttgag acaagacg 238

<210> 47711
<211> 287
<212> DNA
<213> Glycine max

<223> Clone ID: 701037801H1

<400> 47711

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gcttctgggt gtgctgaggt cctcaggcaa tacgaggagt tcgacaatga gaattaatta 120
cgtaattaat ttcagtaata ctgttattat taatctactt tcgatttggg ttttctaatt 180
tctatttaatt tcaatcttga tgtggagtct tatctcgaca ttttcatatt atcatgttat 240
atatgttgat ggaccgaccc tgcttaatta tattattaca tcaagat 287

<210> 47712
<211> 282
<212> DNA
<213> Glycine max

<223> Clone ID: 701037802H1

<400> 47712

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agaatggcaa agagttactt caaacaagag catgatcttg agaacagaag agctgaggct 120
gctaggatta gagagaaata cccagaccgt atcccgtga ttgtggagaa ggcagaaaga 180

00220"ETTES0

agtgatatcc caagtattga caagaagaag taccttgtcc ctgctgatct gacagttgga 240
cagtttgtct atgttatccg caaaaggatt aaattaagtg ca 282

<210> 47713
<211> 275
<212> DNA
<213> Glycine max

<223> Clone ID: 701037803H1

<400> 47713

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tcttgcagga gagagccatg tccatgcac gctacctgag gaagattatt gggaagctgt 120
ttggccaaac actcccatc ccaactgcact gcgagagact ctaaagcctc tccctacagg 180
tgttgaaatc gatgaactcc ctaagcaa atgatgataca cagtacccaa aacattctt 240
ctataaagaa gaccttcac caggcaaaac aatga 275

<210> 47714
<211> 111
<212> DNA
<213> Glycine max

<223> Clone ID: 701037804H1

<400> 47714

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<210> 47715
<211> 276
<212> DNA
<213> Glycine max

<223> Clone ID: 701037805H1

<400> 47715

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tcgccggcgg cctctactgg ttcgtctgtg ttctgggccc cgccgagcag aagggcaaac 120
gcgccaccga tctatccggc ggctccatct ccgccgagaa agtccaagac aactacaagc 180

0953113-032200

cgtactggtc cttcttccgc cgccccaagg agatcgagac cgccgacaaa gttcccgact 240
tcgtcgacac cttctacaat ctagtaccg acatct 276

<210> 47716
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037806H1

<400> 47716

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ttttgaagtg ttgaggagtt gtaggatcat atcctacggt gggatatcat gcaggctaac 120
aattctccaa cggaacatgt ctcacggca tcaccgatcc ctgcagaata ttgtgtaatc 180
agactagtca ctaatctctt tggttgacaa taattgtcat aataccagtg attgttgcac 240
agaaaatttg cccatgtatt tatacctcag caca 274

<210> 47717
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037808H1

<400> 47717

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cattgttggc atccttgaaa ctgatgacat caaggatctt aaacccttga atgatagagt 120
cctcataaag gttgctgaag ctgaggaaaa aacctctggc ggtttgttgc ttacagaggc 180
aaccaaggac aaaccttcga ttggaacagt gatagccgtt gggccggggc atctggacga 240
ggaaggcaac agaaaacctt tgtccgtgac t 271

<210> 47718
<211> 273
<212> DNA
<213> Glycine max

<223> Clone ID: 701037809H1

<400> 47718

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 tctaggagtg ttgttccgtt aaatacatgg gtgcttattt ccaatttcaa gctgtcttac 180
 aagctttctca gacgtgacga tggaacgttc aatcgtgagt tggcggagtt tctggatagg 240
 aaggtccccg cgaacgcaat tcctgttgaa ggg 273

<210> 47719
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037810H1

<400> 47719
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 aaccgcaacg cggaatctct tttctcgaac tggctaactc tcaggcaagt ggttcggacg 120
 ctgattccag caacaagcgg ctggtgctcg cactgtatga cgccctaaac tccggcgact 180
 ccgacgccgt cgtcaagatc gtcgccgccg acctcgagtg gtggttccat ggtccgcctt 240
 cacaccagtc tttgatgcgc atgctcaccg 270

<210> 47720
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037811H1

<400> 47720
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 aggactggcg ttttgacttt ctcagaatgt cctgcatcca gtacctcaaa cacacctgaa 120
 tcctttgctc tctccctaga acggtgacca cgatccttga gtttgtccct ctcagcttcc 180
 tctcgttcac gctttgtcag aatcccttct acgatctcta tctctggatt ttgttctgtc 240
 cctgtcacga tctctatctc attcccaatc c 271

<210> 47721
 <211> 271
 <212> DNA

<213> Glycine max

<223> Clone ID: 701037812H1

<400> 47721

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 attcagaata attgtgtcca ttagatgtaa tataaataga agtaaaccag aatgggaaag 180
 acactctgga attaggaaga atctgaattg tggagagaca ggctctcgaa aacctgtgta 240
 ataaaatatt tcaaattatt tataaaaatt t 271

<210> 47722

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 701037813H1

<400> 47722

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 ttttttttgg aaagatcact cagttaattc ttcattgtaa gtagagtaca aaatttctaa 180
 ttaaacatta gatattttta atctgtaata aaaattcagc tattaagaac aatctggtgt 240
 tgtacttc 248

<210> 47723

<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 701037783H1

<400> 47723

tgcggaatca gctagaattt tctaataatg gccaaagacg ttgagcaggt tacagagcaa 60
 ggtgaatact ccccgaagga ttaccatgac ccacctccgg cgccgttgat cgacctcagat 120
 gagtcacta agtggtcctt gtacagagcc gccatagctg agttcatagc aacactcctt 180
 ttcctttaca tcaccgtgtt gaccattatt ggctacaaga gacagagtga caccaagatc 240

cccggtaaca ccgagtgcga cggcggttggc atttt

275

<210> 47724
<211> 262
<212> DNA
<213> Glycine max

<223> Clone ID: 701037757H1

<400> 47724

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gcagatgcac ttctacttgc atgcaccacc accacaaatt ttcagtgatg aaaacccgaa 120
tgcttgttct gtcattgtgag tgacgctggt tctttccatt caactggctg acggatcgcg 180
ataatcatcg tgtgcttaga gaactagact ctagtatcta gttctctaag cacaccatca 240
ttatcaccat ccatcaccca gt 262

<210> 47725
<211> 279
<212> DNA
<213> Glycine max

<223> Clone ID: 701037758H1

<400> 47725

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tctcactcct cgggtgtcctt ctttaaccac ttccactcct ccgcatgccc cttcttcttc 120
ctcccttccc cttctctgga taaggaaaga cggagcaaag cgtaagaacg gcaggatgag 180
taaaaaacaa agagagcaaa atcactttgt cctggtgcat ggtataggcc atggtgcctg 240
gtgttggtac aagcttaagc cactgttgga atccgccgg 279

<210> 47726
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037759H1

<400> 47726

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tttcttgggc cccaagcccg ttcctatgaa gcacgttggg gggccggcga agccacgaag 120
 ctgtaccggg gcgtgaggca gaggcattgg gggaagtggg tggcggagat aaggctaccg 180
 aagaaccgaa ccaggctttg gctcgggaacc ttcgacacag ccgaggaagc cgctttggct 240
 tacgacaaaag ccgcgtacac gctccgaggc ga 272

<210> 47727
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037761H1

<400> 47727

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 ctcgttcgcg ccaaagatgg cagtgcctttt gctcgttgcg acgattgcaa gaagaatgtg 120
 ccggtacgca ctcatcgaca tgcacagttg cagccttgaa gctaaaatta aaatgaacct 180
 agacgctcaa gttgtggaac aggctgctga agctaagaag ccagagagga agaagcccaa 240
 atctaaagag cctatggcaa aaaaggctaa agt 273

<210> 47728
 <211> 270
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037762H1

<400> 47728

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 atggcgaata cggggaattt agacgcggcg atagagcaat tgctgaacgt ggagaagcag 120
 atgaggctcg ccggtgacgt ggcgggtacc agaaaagcag ccaccgatat tttgcagctc 180
 tgcttcgatg cacgagcctg gaaaacactc aatgaccaga ttgtcgtttt gtcaaaacga 240
 cgtggccagc tcaagcaggc tgtaacagct 270

<210> 47729
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037763H1

<400> 47729

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 ttttgaatca tcagccaagt ctagtcaatc tccccctgct gaaggcgaca agcacaagca 120
 tttggacagg gaaattaggg agatgggtatc tgccatcact caccgtgtaa ctgattttca 180
 caaagctggc tccaccacc atttgagaa agagcatgaa gatgacacga ggatcattac 240
 cctcacagga accaatgatg gagcaacact gc 272

<210> 47730

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 701037764H1

<400> 47730

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 gccaccaagc atgtcagagt ttcttctcgg atctggcttc gataggcctt tggaacaact 120
 ctctcagatt gagatcaacg gtattggaag gtacgagcac cctcctgctt caaaagcagc 180
 cattgattca ttaccaacca tcgaaatcga tgacacccat ttagccatgg aatcacactg 240
 cgcggtctgc aaggaagctt ttgaaacaag c 271

<210> 47731

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 701037766H1

<400> 47731

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 tcatccgcaa gaaaaaatg gcatctcaca tcgttgata cccccgtatt ggtcccaata 120
 gagagctcaa gttcgctctc gagtctatct gggatggcaa gagtactgcg acgatttgca 180
 caaggtgtct tctgatctca cggcatccat ctggactcag atggctcatc gtgggatcat 240
 gtacatcccc agcaacactt tctctcacta 270

<210> 47732
 <211> 274
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037767H1

<400> 47732

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 ttcccttcac tctcacaatg cgaatcctcg tctgtctctc tctcgccacc cttctcctct 120
 tctcctcctt ctctcccacc ttctgcgacc acctcgccga cgacgaggac ctcagcttcc 180
 tcgacgagcc ctccgcccgc cgggagcacg accaccacta cggcgccgat gactccaatt 240
 tcggcgactt tgaggacttc gaggacgacg acgc 274

<210> 47733
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037769H1

<400> 47733

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 cggcgatggt tgtattacta ctaaggaact tgggactgtg atgcggtcac tagggcaaaa 180
 cccaactgag gcagaactgc aggatatgat taatgaggtt gatgctgatg gcaatggaac 240
 catcgacttc ccagagttcc tcaacctgat ggctcga 277

<210> 47734
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037770H1

<400> 47734

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 atgcctcctg ccccgctcc tccgaagcaa ccgccgaac cgggtggcggc ggcgtcagca 120

gtgaagcctg aggctccatt gtccgattcg aaagcttcgg cggaggcgaa cgtaatagtg 180
 gtcccagact actctcgttg gttctcgtgg gattcgattg acgaatgcga ggtgcgtcac 240
 ctccccgagt tcttcgaatc ggcgtcgaag agcccta 277

<210> 47735
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037771H1

<400> 47735

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 tctggagctg tcaagcatga agacattgtt gaacaagtga aaaagttggt taccaagttg 120
 tcaacggatc ccaactaccac atctcaatca gttgctaaag agccagctat ttttactggg 180
 tctgaggtta gaatgcttga tgatgatatt cccctagcac aatatgctgt ggcttttgaa 240
 ggggcatctt ggaaggatcc cgattcgatt cctct 275

<210> 47736
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037772H1

<400> 47736

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 ttaactctta ttttgaagca aaagaaacac acaataaaga gagaaatatt gcagtgatat 120
 ttttctgggg gttgagaaag agaacagaag aaaagacaga aagctcaacg tcagagttag 180
 ccgtataagg ttcgcttatt gtgtgtttgt ggttttggac tagctgaggt ttgtcctttg 240
 gatcccagaa acctttccag catttgaaaa accaa 275

<210> 47737
 <211> 275
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037773H1

<400> 47737
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 cttaaactat tactcctctg gttatattaa tgggtgccct ccaagcaacg acaaaccxaa 180
 ttttctaaca gattctcgca ccaacacttc atttgaacgc aatggaagac ccctaggtct 240
 aagggccgct tcagtttgga tatactttta tccaa 275

<210> 47738
 <211> 271
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037774H1

<400> 47738
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 ccgagcgta cgaagagatg gtggaatcaa tgaagaacgt tgccaatctc gacgttgaac 180
 tgacggtgga ggagcggaat ttgctttctg ttgggtacaa gaatgtgatt ggtgctcgca 240
 aacgtccctg gaggatcctg tcttccattg a 271

<210> 47739
 <211> 272
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037775H1

<400> 47739
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 gattgatcag gaaatatggg cttatgtgtt gcaggcagtg cttccgaagc aatgccaagg 120
 aaattggctt catcaagtat cggtgaaaga ttagttttcc acctgccccca cccggtttgg 180
 attcttgcac caggctatga tgacgtgggg atgattttac tgtgtgaaga acttaaaatt 240
 ttttgtgaca tttagcaaag ttaattatca aa 272

<210> 47740

<211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037776H1

 <400> 47740

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 cgtcaacgcc ggcgacgtca agttccgagc ctccgtaacg gaagccactt tcattaacgg 120
 tcccagcttc accggctatc gcgctcgacg tcgagaaacc cggttccttc atcgctcgact 180
 acaacgttcc caaaaaggac tttcggtttc agtttatgaa cacggttagg gttcggggaga 240
 cgccgttgaa tttgacctac gcgcacagca gg 272

<210> 47741
 <211> 272
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037777H1

 <400> 47741

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 ctcgactcca attcagagac tgtcggactt ggaggtacaa aagcaaagaa agtgaaagtg 120
 ctgaaggag attccgttcc tggttgaacg gaagtgagag cgaacgtggg agcttcccag 180
 aacaaaattc ttgctgacat aagcaacttt ccccaacaac caaagcaaca catctctgtt 240
 gaccaccttc tcaaggaaaa ggaaattttg at 272

<210> 47742
 <211> 269
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037778H1

 <400> 47742

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 gctgttcctt ctctacgaat ccgcttcggg ctacaccctg ttcgacgttc acggcctcga 120
 cgaaatcggc cagaacaccg aagcggttcg gaactccgtt tcggacctca acaggttcgg 180

caaagtcggt aagcttgcgt ccttcaaccc ttccacttcc gctctcgatg ctctcaaaca 240
gtgcaacgcc gtctctgaag gcatattaa 269

<210> 47743
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<223> Clone ID: 701037779H1

<400> 47743

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taccatcggt agcatcaagg cccgccagat ctccgacagt cgtggcaatc caactgtcga 120
gggtggatttg acttgcctcg atggctacttt tgccagagct gctgttccaa gtgggtgcac 180
cactgggatt tatgaggccc ttgaattgag agatggagga tctgactacc ttgganaggg 240
tgtatcaaag gctgttgaca atgtga 266

<210> 47744
<211> 271
<212> DNA
<213> Glycine max

<223> Clone ID: 701037780H1

<400> 47744

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cgagtcgagc atgaagggat accctcatcc ttccatcagc agcaaagggg ctttcgaatg 120
gaccatcaac aagatcggtc gcaacaacgt ctctgccttc aaccttcttt ttcttcacgt 180
tcaagtcccc gatgaagatg gttttaatga catggatagt atctacgcat cgctgacga 240
ttttaagaac atgaatcaga gagatagaat t 271

<210> 47745
<211> 272
<212> DNA
<213> Glycine max

<223> Clone ID: 701037781H1

<400> 47745

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 tgaggccctt agcttaccat acttgggcag tggatcagga tacatgagac agcaacaatc 180
 cgtaagacat aataccaacc caccatttct ggttcaagga gagaacaatt gtatattccc 240
 tgaagacacc tgtcagttgc tgaatgaaaa ct 272

<210> 47746
 <211> 277
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037756H1

<400> 47746

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 gcaaaataat tctagtaatc cataatttgt tgccgttctt ccttcgtaca atgtcagcac 120
 tactctagca ttcccaactc tacaacacac tcatcatctt tttgcttttt tcttcttctc 180
 actaactcag acaactacca tggcctcaaa atccagaccc aatctatctg aaaattccaa 240
 caaaggatca attgcaactc ctagagtcag taaaact 277

<210> 47747
 <211> 273
 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037731H1

<400> 47747

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 gagaagtaaa actgaactcg ataatctcgt tgaactcagg acaaattgaa tacttaattt 120
 ctcttctctc tagaaacgta tagacgaaac aatttctatg actatttctg cttctgcttc 180
 agatgcaacc ttttagtttt tgcagttgcc acttcatgtc ttcattccctt cttctaattc 240
 tccgatctcc gatgtttccc ttcccaagaa gac 273

<210> 47748
 <211> 276

<212> DNA
 <213> Glycine max

 <223> Clone ID: 701037732H1

 <400> 47748

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 tgcttctcta tttcatgagg gctttctaga tgaccaatth aaccagcttc agcaacttca 120
 agatgaaagt aaccagatt ttgtggttga agtgggtgact ctcttttttg aagacgcgga 180
 taggcttctt aatgagctca caaaagcact aggccagcca agcattgatt ttaaaagggt 240
 ggatgctcat gttcaccagt tgaagggtag cagctc 276

<210> 47749
 <211> 279
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037734H1

 <400> 47749

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 aacacttgca ataccagagt tgatgcgatt actaatggat gatgaagggc ttggatggga 120
 tgaagcatgg gatgtgacat caaagactat tgcgtacact aatcatactg tcctccctga 180
 agcactggag aaatggtctc aacctgtaat gtggaaacta cttccacgcc atatggacat 240
 catacaagac atagacaaga gattcactgc aatgataaa 279

<210> 47750
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> Clone ID: 701037735H1

 <400> 47750

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 ctctctctct ctctctctac acagtgacaa tggcggatcc aatcggaag gatctgatcg 120
 cgtttgcgct cttagcctcc ctcttgctgt gttcacatgc ttgctgagac gttccctaca 180
 tcgttgctca aaagataggc tccctcaaca gactcaagta ctacgccgaa aggtgactcg 240

aacatagccg acatcttcag a

261

<210> 47751
<211> 274
<212> DNA
<213> Glycine max

<223> Clone ID: 701037736H1

<400> 47751

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aagtatacgg tcaccactgt gcttccacca agcgggtgct ggtttgtctg gttgagcagg 120
aagtcgaatt tgaagttgtc cctgttgatg tcactaacgg ggaccagaag gatcctgagt 180
acctcaaact acagccattt ggagttgttc ctgtcatcaa agatggagac tatacctcat 240
atgaatctcg agctataatg aggtattatg caga 274

<210> 47752
<211> 278
<212> DNA
<213> Glycine max

<223> Clone ID: 701037737H1

<400> 47752

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tctggcagtt gttgccagcg tcttggtcgt ggtctgggtc gtcaatttca ggggtggctt 120
ggcttgggat tctgataaca agtccctcat cttcaacatt catccagtgc ttattgttat 180
tggcttacta gttcatgggg gtgaagctat tataagttac aaagctcttt cccctaaaga 240
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<223> Clone ID: 701037738H1

<400> 47753

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0953113.032200

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gccgcgtggt cactcgctc cagcagttcg tgctgctccc agaggcagcg cagcgcgaga 180
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<223> Clone ID: 701037740H1

<400> 47755

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tttgatctac aagctttgag gtattgacaa gcgtgtgatt gagaggttcg agaattgagggc 180
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<212> DNA
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<223> Clone ID: 701037742H1

<400> 47756

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<223> Clone ID: 701037743H1

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<223> Clone ID: 701037744H1

<400> 47758

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<210> 47759
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002220"ETTES60

<212> DNA
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<211> 274
<212> DNA
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<223> Clone ID: 701037746H1

<400> 47760

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<212> DNA
<213> Glycine max

<223> Clone ID: 701037747H1

<400> 47761

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gccaaacact ccatttcaa gttcattgag agatcttcta aagcctggcc ctgcaagtgt 180
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270

<210> 47762

<211> 274

<212> DNA

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<400> 47763

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aactgttggc tctagatata agtgggtttc cagagtagaa gtgaggctat tgggcatgag 240

ataaacagca agcaccatca tctacgaccc ttttgacta 279

<210> 47764

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 701037750H1

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ggaaacttgg gcaatcaatc cctcgccgtc ttgctcacgg taataataaa gctgttgctt 120
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 ctaatggagg gaagatggtg ccatttgctg gatggagcat gccaatccaa tacaaggact 240
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<223> Clone ID: 701037751H1

<400> 47765

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<210> 47767
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<223> Clone ID: 701037753H1

<400> 47767

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atgccctcga cttcgccatc cgggactcca agtccttcga gcgctgcgcc gtcgatggcg   240
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<210> 47768

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<212> DNA

<213> Glycine max

<223> Clone ID: 701037754H1

<400> 47768

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gatcaccgag atagctgcgg cgggcgccggc ggcggcgccg gagggagtgt gaagggtgag   180
tgttcctcaa tgccgtcgaa cggaaggca aatatgtggg aggaacaaca atagcaacaa   240
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<210> 47769

<211> 277

<212> DNA

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tgttcttctt cactctcaag taccttttcc aaagaagcag aaaagtacga aacctgccac   120
ctggtcggac tctcttctct ataatcggca accttaacct cgttgaacaa cctatacacc   180
gtttcttcca ccgcatgtcc caaagctatg gaaacatcat atccctttgg tttgggtcac   240
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 <223> Clone ID: 701037730H1

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 agcatgtaca gtatgaacac taaatgcagt gctggggatt gccaatgat gtcattggtct 180
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 <223> Clone ID: 701037694H1

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 <223> Clone ID: 701037695H1

 <400> 47772

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 acttttgctc aaaggtatct atagagagat ttgttacttg a 101

<210> 47773
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 <212> DNA
 <213> Glycine max

<223> Clone ID: 701037696H1

<400> 47773

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<210> 47774

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037702H1

<400> 47774

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gaacgagctc gtccttaagg aactggattt attgaaagac gacgcaaattg tttataagct 180

gattgggccca gtacttggtta agcaagattt ggccgaggcc aatgcaaattg tccgcaagag 240

aatcgaatac atctcagctg aattgaagcg tctggatgcc a 281

<210> 47775

<211> 281

<212> DNA

<213> Glycine max

<223> Clone ID: 701037703H1

<400> 47775

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gcagcgcttc tggctgctgg ccttgctcgc accttgaca gaatgcctta tctgctgtct 180

ctgtcttcct ttgtggctga cgatgttgcc gctgctgttc ctgctgctca agatctgggg 240

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<210> 47776

<211> 75

<212> DNA

<213> Glycine max

<223> Clone ID: 701037704H1

<400> 47776

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<223> Clone ID: 701037705H1

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ggagcctgag aaacggctac cacatccaag gaaggcagca ggcgcgcaaa ttacccaatc 180

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<223> Clone ID: 701037706H1

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agttcctact tgaacgtggg tacactgtca ggaccactgt tcgacacca aatgatcaca 120

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cagatctttt ggggtgaaaat tcttttgact ccattgctga cggctgtgat ggcgtctttc 240

atactgcttc tccttttatt atcaacgtca aagaccaca g 281

<210> 47779

<211> 279

<212> DNA

<213> Glycine max

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<223> Clone ID: 701037710H1

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tttatttcat gcgttcagac ccagacggga ttgtttccta tgatatggca actgggggtt 240
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<210> 47780

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037712H1

<400> 47780

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atcgtttgct cactgttgaa taccgagacg aacgagctgg tggctgtgaa gaagatagcg 240
aacgctttcg acaatcacat ggacgctaag cgtacg 276

<210> 47781

<211> 276

<212> DNA

<213> Glycine max

<223> Clone ID: 701037713H1

<400> 47781

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tatcaaatga tttcagtgga gtttcagtta cttcaaacaa tatggcaaata gaaactgtga 240
ccaatgatgt atcagaggtc agtactgaga aagatg 276

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<223> Clone ID: 701037714H1

<400> 47782

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<223> Clone ID: 701037715H1

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<210> 47784
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 <212> DNA
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<223> Clone ID: 701037716H1

<400> 47784

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<210> 47785
<211> 256
<212> DNA
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<223> Clone ID: 701037717H1

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gcttcttgca cgatgcatca ccgctgaaat atctgatgtg gctttgagtt taatccatcg 240
cattccaagc tgcctc 256

<210> 47786
<211> 281
<212> DNA
<213> Glycine max

<223> Clone ID: 701037718H1

<400> 47786

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accgcgccct gggcgtgcac atctccttcg tgcgatccgt gacgatggat tcgtggtccg 240
aatccagat caagaaaatg gaagccggag gcgacgacaa a 281

<210> 47787
<211> 244
<212> DNA
<213> Glycine max

<223> Clone ID: 701037719H1

<400> 47787

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<210> 47788
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 <212> DNA
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<223> Clone ID: 701037720H1

<400> 47788

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 acttatgtca cgaagtcaat gttcgaacca aaaaacatat tgatgctcca gttaaatagaa 180
 tatgtcgcta cactttccat tcgaagtcac gtcggaaccc aagacatctg aagtgtgat 240
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<223> Clone ID: 701037721H1

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 gaagctgctg agatgaacaa gaggtctttc aagtatgcct ggggtgctgga caaacttaag 240
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<223> Clone ID: 701037722H1

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aatcgttaca aacgtgggac acggagtatc atggaaagt tatagagaac caggttcgga 240
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<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037723H1

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tcagagatct gactggaaat tctgcctcat caaattcaat cagaagtgtt gggaagatgt 240
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<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 701037725H1

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 <223> Clone ID: 701037727H1

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